

REDACTED

**Data Validation Checklist
Inorganic Analyses**

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica - Savannah, GA
 Method: SW-846 6010C and 7471B, and EPA 200.7 and 245.1
 Matrix: Soil and Water
 Reviewer: Karen Marie Trujillo, URS Group
 Concurrence¹: Nicole Lancaster / Martha Meyers-Lee, URS Group

Project No: 15268508.20000
 Job ID.: 680-89421-2
 Associated Samples: Refer to **Attachment A** (Sample Summary)
 Date Collected: 04/15/13
 Date: 05/07/13
 Date: 05/16/13

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample preservation requirements met? If pH of aqueous sample >2 and was not adjusted by laboratory prior to analysis, J- flag positive results and R- flag non-detect results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil/sediment samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Have any technical holding times, determined from date of collection to date of analysis, been exceeded? (Hg: ≤28 days, other metals: ≤6 months). If not, then J- flag positive results and R- flag non-detect aqueous results.		✓			
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?		✓		The MDL (0.59 mg/Kg) for arsenic is greater than the Resident Soil RSL (0.39 mg/Kg). A RSL does not exist for total chromium; however, the total chromium MDL (0.5 mg/Kg) is greater than the hexavalent chromium Resident Soil RSL (0.29 mg/Kg).	
8. Were method blank (MB) prepared at the appropriate frequency (one per 20 samples, batch, matrix, and level)?	✓				
9. Was a calibration blank (ICB/CCB) analyzed at the beginning, after every 10 th sample, and at the end of each analytical run?	✓				
10. Were target analytes detected in the method and/or calibration blanks?		✓		Target analytes were not detected in the method blanks. Calibration blanks were not evaluated.	
11. Were target analytes reported in equipment/rinsate blanks		✓		According to the QAPP, a rinsate blank is to be	

¹ Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
analyses above the DL?				collected after each decontamination event, which occurs once per week per the client. Rinsate blank 041513-RB-Shovel (680-89421-10) was collected during the week of 4/15/13. The rinsate blank was analyzed for metals by EPA Methods 200.7 and 245.1 under this Test America Job ID. Target analytes were not detected during the EPA Methods 200.7 and 245.1 analyses of the rinsate blank, and all results were reported under this Test America Job ID.	
12. Were contaminants detected in samples below the blank contamination action level? <ul style="list-style-type: none"> o If blank result > RL, <ul style="list-style-type: none"> • Flag sample results \leq RL with a U • Flag positive sample results > RL and \leq10x blank result , as J+ positive results o If blank result \leqRL, <ul style="list-style-type: none"> • Flag sample results \leq RL with a U • Flag positive sample results > RL and <10x blank result , as J+ positive results 			✓	Method and rinsate blank contamination does not exist.	
13. Are there negative laboratory blank results with the absolute value \leq RL? If yes, then flag positive and non-detect sample results that are < 10x absolute blank value as J- and UJ, respectively.		✓			
14. Was a field duplicate analyzed?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? <ul style="list-style-type: none"> o 6010C: <ul style="list-style-type: none"> • ICAL: Blank and one standard • ICV initially, and CCV every 10th sample and at the end of the analytical run • Lower Limit of Quantitation Check Sample (CRI) to be analyzed after establishing lower laboratory reporting limits and as needed o 7471A: <ul style="list-style-type: none"> • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the end of the analytical run 	✓			<ul style="list-style-type: none"> • 200.7: 04/24/2013, instrument ICPE. One blank and one standard initially per analytical batch. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 245.1: 04/19/2013, instrument LEEMAN2. 6-Point ICAL per analytical batch. ICV initially, CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 6010C: 04/19/2013-04/20/2013, instrument ICPE. One blank and one standard initially per analytical batch. ICV initially, and CCV every 	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> ○ 7196A: <ul style="list-style-type: none"> • ICAL: Blank and minimum of five standards • ICV initially, and CCV every 10th sample (15th per Method) and at the end of the analytical run 				<p>10 samples and at end of run. CRI after initial calibration blank analysis.</p> <ul style="list-style-type: none"> • 7471B: 04/19/2013 & 04/23/2013-04/24/2013, instrument LEEMAN2. 6-Point ICAL per analytical batch. ICV initially, CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. 	
<p>17. Were these results within lab/project specifications?</p> <ul style="list-style-type: none"> ○ 6010C <ul style="list-style-type: none"> • ICV/CCV (Criteria: 90-110%R): <ul style="list-style-type: none"> ▪ If %R <75, then J- flag positive results and R-flag non-detects ▪ If 75-89%R, then J- flag positive results and UJ flag non-detects ▪ If 111-125%R, then J flag positive results ▪ If >125%R, then J+ flag positive results ▪ If >160%R, then R flag positive results • CRI (Method: 70-130%R, Laboratory: 50-150%R; Project: 50-150%R for Sb, Pb, and Tl, and 70-130%R for all other analytes): <ul style="list-style-type: none"> ▪ If CRI %R <50 (<30% for Sb, Pb, TL), then R flag results \leq 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69% (30-49% for Sb, Pb, TL), then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and \leq 180% (>150%, but \leq 200% for Sb, Pb, TL), then J+ flag positive results <2x RL ▪ If CRI %R >180% (>200% for Sb, Pb, TL), then R flag positive results ○ 7471A <ul style="list-style-type: none"> • ICV/CCV (Criteria: 80-120%R): <ul style="list-style-type: none"> ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-detects ▪ If 65-79%R, then J- flag positive results and UJ flag non-detects ▪ If 121-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results • CRI (Method: Not required, Laboratory: 50-150%R, Project: 70-130%R): <ul style="list-style-type: none"> ▪ If CRI %R <50, then R flag results \leq 2x RL and J flag positive results >2x RL 	✓			<p>Mercury correlation coefficient:</p> <ul style="list-style-type: none"> • 245.1: ICAL of 04/19/2013 is 0.9998951 (page 308) • 7471B: <ul style="list-style-type: none"> ○ ICAL of 04/19/2013 is 0.9999555 (page 310) ○ ICAL of 04/23/2013 is 0.9995476 (page 312) 	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> ▪ If CRI %R 50-69%, then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180%, then J+ flag positive results <2x RL ▪ If CRI %R >180%, then R flag positive result <ul style="list-style-type: none"> ○ 7196A: <ul style="list-style-type: none"> • ICV/CCV (Criteria: 90-110%R): <ul style="list-style-type: none"> ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-detects ▪ If 65-90%R, then J- flag positive results and UJ flag non-detects ▪ If 110-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results 					
18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?	✓				
19. Are ICS recoveries within 80-120% of the true value? If not, qualify data as follows when native Al, Fe, Ca, and Mg sample concentrations are equal to or greater than the ICS spiking level: <ul style="list-style-type: none"> ○ If >120%R (or >true value plus 2x CRQL), J+ flag positive results ○ If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects ○ If <50%R, J- flag positive results and R-flag non-detects 	✓				
20. Was a LCS analyzed for each preparation batch (one per 20 samples per matrix and level)?	✓				
21. Did LCS recoveries meet method/laboratory/project (80-120%R) specifications? <ul style="list-style-type: none"> ○ Soil: <ul style="list-style-type: none"> • LCS result > Upper control limit (UCL): J+ flag positive results • LCS result < Lower control limit (LCL): J- flag positive results and UJ flag non-detects ○ Aqueous: <ul style="list-style-type: none"> • If <50%R, then J- and R flag positive and ND results, respectively • If 50-LCL%R, J- and UJ flag positive and ND results, respectively • >UCL: J+ Flag positive results • >150%R: R Flag results 	✓				
22. Was the RPD between LCS and LCSD results within			✓	LCS only	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
method/laboratory /project control limits (<20%RPD)? If not, J and UJ flag positive and non-detect results, respectively					
23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyzed once per preparation batch?	✓				
24. Is the MS and MSD parent sample a project-specific sample?	✓			<ul style="list-style-type: none"> • 200.7, Prep Batch 273658: 680-89470-1 (Batch Sample), MS/MSD • 245.1, Prep Batch 273543: 480-36394-1 (Batch Sample), MS/MSD • 6010C, Prep Batch 273665: 680-89421-1 (CV1001A-CS), MS/MSD • 7471B: <ul style="list-style-type: none"> ◦ Prep Batch 273622: 680-89421-11 [CV1001A-CS (sieve)], MS/MSD ◦ Prep Batch 274148: 680-89421-1 (CV1001A-CS), MS/MSD 	
25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver)?	✓			<ul style="list-style-type: none"> • 200.7: 680-89421-10 (041513-RB-Shovel) • 6010C: 680-89421-1 (CV1001A-CS) 	
<p>26. For all analytes with sample concentration < 4 x spike concentration, are spike recoveries within method (6010C: 75-125%R MS/MSD and 80-120%R PDS; 7471B: 80-120%R MS/MSD and PDS not required), laboratory (MS, MSD, and PDS: 75-125%R), and project (as noted below) specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <p>If not,</p> <ul style="list-style-type: none"> ◦ 6010C: <ul style="list-style-type: none"> • If MS %R <30 and PDS %R <75, then J- and R Flag positive and ND results, respectively • If MS %R <30 and PDS %R >75, then J flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R <75, then J- flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R ≥75, then J flag positive and UJ flag non-detect results • If MS, MSD, and PDS %R >125, J+ flag positive results • If MS and MSD %R >125 and PDS %R ≤125, then J flag 		✓		<p>CV1001A-CS (680-89421-1):</p> <ul style="list-style-type: none"> • 6010C: <ul style="list-style-type: none"> ◦ Arsenic @ 102 and 72 %R (75-125). An evaluation of interference is not possible based on MS and MSD results^{2,3}. PDS recovery (100%) fell within control limits (75-125). ◦ Barium @ 219 and -17 %R (75-125). An evaluation of interference is not possible based on MS and MSD results². PDS recovery (94%) fell within control limits (75-125). ◦ Chromium @ 89 and 55 %R (75-125). An evaluation of interference is not possible based on MS and MSD results². PDS recovery (90%) fell within control limits (75-125). ◦ Lead @ -1508 and -1153 %R (75-125). An 	J

² The native sample concentration is greater than 4x the MS/MSD spiking level. In addition, the native sample concentration for lead was greater than 4x the PDS spiking level.³ The recovery of either the MS or MSD fell within control limits.

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> positive results • If MS and MSD %R <30 and no PDS, then J- flag positive and R-flag non-detect results • If MS and MSD %R 30-74 and no PDS, then J- and UJ flag positive and non-detect results, respectively • If MS and MSD %R >125 and no PDS, then J+ flag positive results <ul style="list-style-type: none"> ○ 7471B: <ul style="list-style-type: none"> • If MS %R <30, then J- and R Flag positive and ND results, respectively • If MS and MSD %R 30-74, then J- flag positive and UJ flag non-detect results • If MS and MSD %R >125, then J+ flag positive results 				<ul style="list-style-type: none"> evaluation of interference is not possible². ○ Silver @ 15 and 19 %R (75-125). PDS recovery (95%) fell within control limits (75-125). J Flag • 7471B: Mercury @ 179 and 353 %R (80-120). An evaluation of interference is not possible². <p>CV1001A-CS (sieve) (680-89421-11), 7471B: Mercury @ 130 and 132 %R (80-120). An evaluation of interference is not possible².</p>	
27. Were laboratory/project ($\leq 20\%$ RPD) criteria met for precision during the MS and MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> ○ If RPD >20%, J and UJ flag positive and non-detect results. 	✓				
28. Was a serial dilution conducted for 6010C?	✓			<ul style="list-style-type: none"> • 6010C: 680-89421-1 (CV1001A-CS) • 200.7: 680-89421-10 (041513-RB-Shovel) 	
29. Is the serial dilution parent sample a project-specific sample?	✓				
30. Is the percent difference between the serially diluted result and undiluted result less 10% (for those analytes with native concentrations greater than 50x the DL)? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> ○ If %D >10, J and UJ flag positive and non-detect results, respectively. 		✓		<p>CV1001A-CS (680-89421-1):</p> <ul style="list-style-type: none"> • Arsenic @ 11 %D (≤ 10), J-Flag. • Barium @ 13 %D (≤ 10), J-Flag. • Chromium @ 13 %D (≤ 10), J-Flag. • Lead @ 16 %D (≤ 10), J-Flag. 	J
31. Was a laboratory duplicate analyzed?		✓			
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		
33. Were criteria for laboratory/project precision met? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> ○ If RPD values >20% (35% for soil/sediment) or absolute difference > RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively. 			✓		

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to Attachment B (Case Narrative)	

Comments: The data validation was conducted in accordance with the *Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1* (OTIE, October 2012). The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Inorganic Data Review* (EPA 540-R-04-004, October 2004). Sample results have been qualified based on the results of the data review process (**Attachment C**). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.

DV Flag Definitions:

- J- The result is an estimated quantity, but the result may be biased low.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
- U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
- UJ The analyte was analyzed for, but was not detected. The reported limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A
SAMPLE SUMMARY

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89421-1	CV1001A-CS	Solid	04/15/13 13:10	04/17/13 08:40
680-89421-10	041513-RB-Shovel	Water	04/15/13 16:00	04/17/13 08:40
680-89421-11	CV1001A-CS (sieve)	Solid	04/15/13 13:10	04/17/13 08:40

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ATTACHMENT B
CASE NARRATIVE

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Job ID: 680-89421-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89421-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/17/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.1 C.

METALS (ICP)-Water

Sample 041513-RB-Shovel (680-89421-10) was analyzed for Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 04/19/2013 and analyzed on 04/24/2013.

Silver recovered outside the recovery criteria for the MS/MSD of sample 680-89470-1 in batch 680-274405. Silver also exceeded the rpd limit.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY-Water

Sample 041513-RB-Shovel (680-89421-10) was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 04/18/2013 and analyzed on 04/19/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples CV1001A-CS (680-89421-1) and CV1001A-CS (sieve) (680-89421-11) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared and analyzed on 04/19/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1001A-CS (680-89421-1) in batch 680-273842.

No other difficulties were encountered during the metals analyses.

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Job ID: 680-89421-2 (Continued)

Laboratory: TestAmerica Savannah (Continued)

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1001A-CS (680-89421-1) and CV1001A-CS (sieve) (680-89421-11) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/18/2013 and 04/23/2013 and analyzed on 04/19/2013 and 04/24/2013.

Samples CV1001A-CS (680-89421-1)[2X] and CV1001A-CS (sieve) (680-89421-11)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1001A-CS (sieve) (680-89421-11) in batch 680-273794.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1001A-CS (680-89421-1) in batch 680-274238.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

ATTACHMENT C

QUALIFIED SAMPLE RESULTS

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
 SDG: 68089421-2

Client Sample ID: CV1001A-CS

Date Collected: 04/15/13 13:10
 Date Received: 04/17/13 08:40

Lab Sample ID: 680-89421-1

Matrix: Solid
 Percent Solids: 77.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	51	J	2.5	0.72	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Barium	470	J	1.2	0.37	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Cadmium	3.6		0.61	0.12	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Chromium	59	J	1.2	0.61	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Lead	570	J	1.2	0.65	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Selenium	1.3	J	3.1	1.2	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Silver	0.35	J	1.2	0.12	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.72		0.049	0.020	mg/Kg	⊗	04/23/13 17:13	04/24/13 11:26	2

Client Sample ID: 041513-RB-Shovel

Date Collected: 04/15/13 16:00
 Date Received: 04/17/13 08:40

Lab Sample ID: 680-89421-10

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20	U	20	4.6	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Barium	10	U	10	2.3	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Cadmium	5.0	U	5.0	2.0	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Chromium	10	U	10	1.2	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Lead	10	U	10	4.0	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Selenium	20	U	20	6.4	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Silver	10	U	10	0.89	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L	⊗	04/18/13 10:42	04/19/13 11:58	1

Client Sample ID: CV1001A-CS (sieve)

Date Collected: 04/15/13 13:10
 Date Received: 04/17/13 08:40

Lab Sample ID: 680-89421-11

Matrix: Solid
 Percent Solids: 83.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	54		2.3	0.68	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Barium	550		1.2	0.35	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Cadmium	4.3		0.58	0.12	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Chromium	62		1.2	0.58	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Lead	560		1.2	0.61	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Selenium	2.9	U	2.9	1.2	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Silver	0.45	J	1.2	0.11	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.69		0.044	0.018	mg/Kg	⊗	04/18/13 16:58	04/19/13 14:55	2

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 Sample results have been qualified by URs in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

ANALYTICAL REPORT

Job Number: 680-89421-2

SDG Number: 68089421-2

Job Description: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC
1220 Kennestone Circle
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Marietta, GA 30060

Attention: Ms. Limari F Krebs



Approved for release.
Bernard Kirkland
Project Manager I
4/26/2013 4:54 PM

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04/26/2013

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Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	6
Method Summary	7
Method / Analyst Summary	8
Data Qualifiers	9
QC Association Summary	10
Inorganic Sample Data	12
Metals Data	12
Met Cover Page	13
Met Sample Data	14
Met QC Data	17
Met ICV/CCV	17
Met CRQL	25
Met Blanks	29
Met ICSA/ICSAB	41
Met MS/MSD/PDS	45
Met LCS/LCSD	55
Met Serial Dilution	60
Met MDL	62
Met IECF	70
Met Linear Ranges	72
Met Preparation Log	73
Met Analysis Run Log	78
Met Raw Data	91

Table of Contents

Met Prep Data	315
Shipping and Receiving Documents	325
Client Chain of Custody	325

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89421-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/17/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.1 C.

METALS (ICP)-Water

Sample 041513-RB-Shovel (680-89421-10) was analyzed for Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 04/19/2013 and analyzed on 04/24/2013.

Silver recovered outside the recovery criteria for the MS/MSD of sample 680-89470-1 in batch 680-274405. Silver also exceeded the rpd limit.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY-Water

Sample 041513-RB-Shovel (680-89421-10) was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 04/18/2013 and analyzed on 04/19/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples CV1001A-CS (680-89421-1) and CV1001A-CS (sieve) (680-89421-11) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared and analyzed on 04/19/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1001A-CS (680-89421-1) in batch 680-273842.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1001A-CS (680-89421-1) and CV1001A-CS (sieve) (680-89421-11) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/18/2013 and 04/23/2013 and analyzed on 04/19/2013 and 04/24/2013.

Samples CV1001A-CS (680-89421-1)[2X] and CV1001A-CS (sieve) (680-89421-11)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1001A-CS (sieve) (680-89421-11) in batch 680-273794.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1001A-CS (680-89421-1) in batch 680-274238.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89421-2
Sdg Number: 68089421-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-89421-1	CV1001A-CS	Solid	04/15/2013 1310	04/17/2013 0840
680-89421-1MS	CV1001A-CS	Solid	04/15/2013 1310	04/17/2013 0840
680-89421-1MSD	CV1001A-CS	Solid	04/15/2013 1310	04/17/2013 0840
680-89421-10	041513-RB-Shovel	Water	04/15/2013 1600	04/17/2013 0840
680-89421-11	CV1001A-CS (sieve)	Solid	04/15/2013 1310	04/17/2013 0840

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89421-2
Sdg Number: 68089421-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Percent Moisture	TAL SAV	EPA Moisture	
Percent Moisture	TAL TAM	EPA Moisture	
Matrix: Water			
Metals (ICP)	TAL SAV	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL SAV		EPA 200.7
Mercury (CVAA)	TAL SAV	EPA 245.1	
Preparation, Mercury	TAL SAV		EPA 245.1

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89421-2
Sdg Number: 68089421-2

Method	Analyst	Analyst ID
40CFR136A 200.7 Rev 4.4	Bland, Brian	BCB
EPA 245.1	Bland, Brian	BCB
SW846 6010C	Bland, Brian	BCB
SW846 7471B	Bland, Brian	BCB
EPA Moisture	Galio, Andrew	AG
EPA Moisture	Swafford, Frances	FS

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89421-2

Sdg Number: 68089421-2

Lab Section	Qualifier	Description
Metals	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	W	PS: Post-digestion spike was outside control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	V	Serial Dilution exceeds the control limits

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89421-2
Sdg Number: 68089421-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-273543					
LCS 680-273543/2-A	Lab Control Sample	T	Water	245.1	
MB 680-273543/1-A	Method Blank	T	Water	245.1	
480-36394-H-1-B MS	Matrix Spike	T	Water	245.1	
480-36394-H-1-C MSD	Matrix Spike Duplicate	T	Water	245.1	
680-89421-10	041513-RB-Shovel	T	Water	245.1	
Prep Batch: 680-273622					
LCS 680-273622/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-273622/1-A	Method Blank	T	Solid	7471B	
680-89421-11	CV1001A-CS (sieve)	T	Solid	7471B	
680-89421-11MS	Matrix Spike	T	Solid	7471B	
680-89421-11MSD	Matrix Spike Duplicate	T	Solid	7471B	
Prep Batch: 680-273658					
LCS 680-273658/3-A	Lab Control Sample	T	Water	200.7	
MB 680-273658/1-A	Method Blank	T	Water	200.7	
680-89421-10	041513-RB-Shovel	T	Water	200.7	
680-89470-B-1-B MS	Matrix Spike	T	Water	200.7	
680-89470-B-1-C MSD	Matrix Spike Duplicate	T	Water	200.7	
Prep Batch: 680-273665					
LCS 680-273665/3-A	Lab Control Sample	T	Solid	3050B	
MB 680-273665/1-A	Method Blank	T	Solid	3050B	
680-89421-1	CV1001A-CS	T	Solid	3050B	
680-89421-1MS	Matrix Spike	T	Solid	3050B	
680-89421-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-89421-11	CV1001A-CS (sieve)	T	Solid	3050B	
Analysis Batch:680-273737					
LCS 680-273543/2-A	Lab Control Sample	T	Water	245.1	680-273543
MB 680-273543/1-A	Method Blank	T	Water	245.1	680-273543
480-36394-H-1-B MS	Matrix Spike	T	Water	245.1	680-273543
480-36394-H-1-C MSD	Matrix Spike Duplicate	T	Water	245.1	680-273543
680-89421-10	041513-RB-Shovel	T	Water	245.1	680-273543
Analysis Batch:680-273794					
LCS 680-273622/2-A	Lab Control Sample	T	Solid	7471B	680-273622
MB 680-273622/1-A	Method Blank	T	Solid	7471B	680-273622
680-89421-11	CV1001A-CS (sieve)	T	Solid	7471B	680-273622
680-89421-11MS	Matrix Spike	T	Solid	7471B	680-273622
680-89421-11MSD	Matrix Spike Duplicate	T	Solid	7471B	680-273622

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89421-2
Sdg Number: 68089421-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-273842					
LCS 680-273665/3-A	Lab Control Sample	T	Solid	6010C	680-273665
MB 680-273665/1-A	Method Blank	T	Solid	6010C	680-273665
680-89421-1	CV1001A-CS	T	Solid	6010C	680-273665
680-89421-1MS	Matrix Spike	T	Solid	6010C	680-273665
680-89421-1MSD	Matrix Spike Duplicate	T	Solid	6010C	680-273665
680-89421-11	CV1001A-CS (sieve)	T	Solid	6010C	680-273665
Prep Batch: 680-274148					
LCS 680-274148/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-274148/1-A	Method Blank	T	Solid	7471B	
680-89421-1	CV1001A-CS	T	Solid	7471B	
680-89421-1MS	Matrix Spike	T	Solid	7471B	
680-89421-1MSD	Matrix Spike Duplicate	T	Solid	7471B	
Analysis Batch:680-274238					
LCS 680-274148/2-A	Lab Control Sample	T	Solid	7471B	680-274148
MB 680-274148/1-A	Method Blank	T	Solid	7471B	680-274148
680-89421-1	CV1001A-CS	T	Solid	7471B	680-274148
680-89421-1MS	Matrix Spike	T	Solid	7471B	680-274148
680-89421-1MSD	Matrix Spike Duplicate	T	Solid	7471B	680-274148
Analysis Batch:680-274405					
LCS 680-273658/3-A	Lab Control Sample	T	Water	200.7 Rev 4.4	680-273658
MB 680-273658/1-A	Method Blank	T	Water	200.7 Rev 4.4	680-273658
680-89421-10	041513-RB-Shovel	T	Water	200.7 Rev 4.4	680-273658
680-89470-B-1-B MS	Matrix Spike	T	Water	200.7 Rev 4.4	680-273658
680-89470-B-1-C MSD	Matrix Spike Duplicate	T	Water	200.7 Rev 4.4	680-273658

Report Basis

T = Total

General Chemistry

Analysis Batch:660-136584					
680-89421-1	CV1001A-CS	T	Solid	Moisture	
680-89421-1MS	Matrix Spike	T	Solid	Moisture	
680-89421-1MSD	Matrix Spike Duplicate	T	Solid	Moisture	
Analysis Batch:680-273577					
680-89421-11	CV1001A-CS (sieve)	T	Solid	Moisture	

Report Basis

T = Total

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah _____ Job Number: 680-89421-2 _____

SDG No.: 68089421-2 _____

Project: 35th Avenue Superfund Site _____

Client Sample ID
CV1001A-CS
041513-RB-Shovel
CV1001A-CS (sieve)

Lab Sample ID
680-89421-1
680-89421-10
680-89421-11

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1001A-CS

Lab Sample ID: 680-89421-1

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG ID.: 68089421-2

Matrix: Solid

Date Sampled: 04/15/2013 13:10

Reporting Basis: DRY

Date Received: 04/17/2013 08:40

% Solids: 77.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	51	2.5	0.72	mg/Kg			1	6010C
7440-39-3	Barium	470	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	3.6	0.61	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	59	1.2	0.61	mg/Kg			1	6010C
7439-92-1	Lead	570	1.2	0.65	mg/Kg			1	6010C
7782-49-2	Selenium	1.3	3.1	1.2	mg/Kg	J		1	6010C
7440-22-4	Silver	0.35	1.2	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.72	0.049	0.020	mg/Kg			2	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 041513-RB-Shovel

Lab Sample ID: 680-89421-10

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG ID.: 68089421-2

Matrix: Water

Date Sampled: 04/15/2013 16:00

Reporting Basis: WET

Date Received: 04/17/2013 08:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	20	20	4.6	ug/L	U		1	200.7 Rev 4.4
7440-39-3	Barium	10	10	2.3	ug/L	U		1	200.7 Rev 4.4
7440-43-9	Cadmium	5.0	5.0	2.0	ug/L	U		1	200.7 Rev 4.4
7440-47-3	Chromium	10	10	1.2	ug/L	U		1	200.7 Rev 4.4
7439-92-1	Lead	10	10	4.0	ug/L	U		1	200.7 Rev 4.4
7782-49-2	Selenium	20	20	6.4	ug/L	U		1	200.7 Rev 4.4
7440-22-4	Silver	10	10	0.89	ug/L	U		1	200.7 Rev 4.4
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	245.1

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1001A-CS (sieve)

Lab Sample ID: 680-89421-11

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG ID.: 68089421-2

Matrix: Solid

Date Sampled: 04/15/2013 13:10

Reporting Basis: DRY

Date Received: 04/17/2013 08:40

% Solids: 83.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	54	2.3	0.68	mg/Kg			1	6010C
7440-39-3	Barium	550	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	4.3	0.58	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	62	1.2	0.58	mg/Kg			1	6010C
7439-92-1	Lead	560	1.2	0.61	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	2.9	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	0.45	1.2	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.69	0.044	0.018	mg/Kg			2	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
ICV Source: P_ICV_wk_00213 Concentration Units: ug/L
CCV Source: P_CCV_wk_00109

Analyte	ICV 680-273842/4 04/19/2013 11:43				CCV 680-273842/108 04/19/2013 21:40				CCV 680-273842/120 04/19/2013 22:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	964		1000	96	458		500	92	462		500	92
Barium	1030		1000	103	5010		5000	100	5050		5000	101
Cadmium	1040		1000	104	507		500	101	508		500	102
Chromium	1020		1000	102	4950		5000	99	4990		5000	100
Lead	1000		1000	100	485		500	97	485		500	97
Selenium	981		1000	98	4840		5000	97	4850		5000	97
Silver	976		1000	98	472		500	94	478		500	96

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
ICV Source: P_ICV_wk_00213 Concentration Units: ug/L
CCV Source: P_CCV_wk_00109

Analyte	CCV 680-273842/132 04/19/2013 23:54											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	465		500	93								
Barium	5040		5000	101								
Cadmium	509		500	102								
Chromium	5000		5000	100								
Lead	489		500	98								
Selenium	4840		5000	97								
Silver	478		500	96								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
ICV Source: P_ICV_wk_00213 Concentration Units: ug/L
CCV Source: P_CCV_wk_00109

Analyte	ICV 680-274405/6 04/24/2013 13:23				CCV 680-274405/36 04/24/2013 15:58				CCV 680-274405/48 04/24/2013 17:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	950		1000	95	467		500	93	462		500	92
Barium	1020		1000	102	4900		5000	98	4790		5000	96
Cadmium	1020		1000	102	493		500	99	487		500	97
Chromium	1010		1000	101	4950		5000	99	4820		5000	96
Lead	984		1000	98	477		500	95	464		500	93
Selenium	967		1000	97	4750		5000	95	4670		5000	93
Silver	965		1000	97	466		500	93	459		500	92

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
ICV Source: hg_icvint_00085 Concentration Units: ug/L
CCV Source: Hg_Int_Cal_00091

Analyte	ICV 680-273543/18-A 04/19/2013 10:57				CCV 680-273543/15-A 04/19/2013 11:34				CCV 680-273543/15-A 04/19/2013 12:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.00		3.00	100	2.48		2.50	99	2.47		2.50	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
ICV Source: hg_icvint_00085 Concentration Units: ug/L
CCV Source: Hg_Int_Cal_00091

Analyte	ICV 680-273622/33-A 04/19/2013 13:39				CCV 680-273622/30-A 04/19/2013 13:46				CCV 680-273622/30-A 04/19/2013 14:16			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.07		3.00	102	2.52		2.50	101	2.57		2.50	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
ICV Source: hg_icvint_00085 Concentration Units: ug/L
CCV Source: Hg_Int_Cal_00091

Analyte	CCV 680-273622/30-A 04/19/2013 14:45				CCV 680-273622/30-A 04/19/2013 15:02							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.60		2.50	104	2.68		2.50	107				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
ICV Source: hg_icvint_00085 Concentration Units: ug/L
CCV Source: Hg_Int_Cal_00091

Analyte	ICV 680-274048/29-A 04/23/2013 15:03				CCV 680-274048/26-A 04/24/2013 09:13				CCV 680-274048/26-A 04/24/2013 09:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.12		3.00	104	2.90		2.50	116	2.83		2.50	113

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
ICV Source: hg_icvint_00085 Concentration Units: ug/L
CCV Source: Hg_Int_Cal_00091

Analyte	CCV 680-274048/26-A 04/24/2013 11:21				CCV 680-274048/26-A 04/24/2013 11:36							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.96		2.50	118	2.90		2.50	116				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Method: 200.7 Rev 4.4 Instrument ID: ICPE
Lab Sample ID: CRI 680-274405/8 Concentration Units: ug/L
CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	22.4		112	50-150
Barium	10.0	10.5		105	50-150
Cadmium	5.00	5.39		108	50-150
Chromium	10.0	11.0		110	50-150
Lead	10.0	8.27	J	83	50-150
Selenium	20.0	23.7		118	50-150
Silver	10.0	10.4		104	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Method: 6010C Instrument ID: ICPE
Lab Sample ID: CRI 680-273842/6 Concentration Units: ug/L
CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	23.2		116	50-150
Barium	10.0	8.01	J	80	50-150
Cadmium	5.00	5.50		110	50-150
Chromium	10.0	10.6		106	50-150
Lead	10.0	11.6		116	50-150
Selenium	20.0	17.9	J	89	50-150
Silver	10.0	10.2		102	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Method: 245.1 Instrument ID: LEEMAN2
Lab Sample ID: CRA 680-273543/20-A Concentration Units: ug/L
CRQL Check Standard Source: Hg_Int_Cal_00091

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.211		105	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2

SDG No.: 68089421-2

Method: 7471B Instrument ID: LEEMAN2

Lab Sample ID: CRA 680-273622/35-A Concentration Units: ug/L

CRQL Check Standard Source: Hg_Int_Cal_00091

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.213		106	50-150

Lab Sample ID: CRA 680-274048/31-A Concentration Units: ug/L

CRQL Check Standard Source: Hg_Int_Cal_00091

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.181	J	91	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: ug/L

Analyte	RL	ICBIS 680-273842/5 04/19/2013 11:47		CCB 680-273842/109 04/19/2013 21:45		CCB 680-273842/121 04/19/2013 22:53		CCB 680-273842/133 04/20/2013 00:00	
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	8.01	J	20	U	20	U	20	U
Barium	10	10	U	10	U	10	U	10	U
Cadmium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Chromium	10	10	U	10	U	10	U	10	U
Lead	10	10	U	10	U	10	U	10	U
Selenium	25	25	U	25	U	25	U	25	U
Silver	10	10	U	10	U	10	U	10	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: ug/L

Analyte	RL	ICBIS 680-274405/7 04/24/2013 13:27		CCB 680-274405/37 04/24/2013 16:03		CCB 680-274405/49 04/24/2013 17:24			
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U	20	U	20	U		
Barium	10	10	U	10	U	10	U		
Cadmium	5.0	5.0	U	5.0	U	5.0	U		
Chromium	10	10	U	10	U	10	U		
Lead	10	10	U	10	U	10	U		
Selenium	20	20	U	20	U	20	U		
Silver	10	10	U	10	U	10	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: ug/L

Analyte	RL	ICB 680-273543/19-A 04/19/2013 10:59		CCB 680-273543/16-A 04/19/2013 11:36		CCB 680-273543/16-A 04/19/2013 12:05			
		Found	C	Found	C	Found	C	Found	C
Mercury		0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: ug/L

Analyte	RL	ICB 680-273622/34-A 04/19/2013 13:41		CCB 680-273622/31-A 04/19/2013 13:49		CCB 680-273622/31-A 04/19/2013 14:18		CCB 680-273622/31-A 04/19/2013 14:48	
		Found	C	Found	C	Found	C	Found	C
Mercury		0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: ug/L

Analyte	RL	CCB 680-273622/31-A 04/19/2013 15:05							
		Found	C	Found	C	Found	C	Found	C
Mercury		0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: ug/L

Analyte	RL	ICB 680-274048/30-A 04/23/2013 15:05		CCB 680-274048/27-A 04/24/2013 09:16		CCB 680-274048/27-A 04/24/2013 09:45		CCB 680-274048/27-A 04/24/2013 11:23	
		Found	C	Found	C	Found	C	Found	C
Mercury		0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: ug/L

Analyte	RL	CCB 680-274048/27-A 04/24/2013 11:38							
		Found	C	Found	C	Found	C	Found	C
Mercury		0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: ug/L Lab Sample ID: MB 680-273658/1-A

Instrument Code: ICPE Batch No.: 274405

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	20	U		200.7_CWA
7440-39-3	Barium	10	U		200.7_CWA
7440-43-9	Cadmium	5.0	U		200.7_CWA
7440-47-3	Chromium	10	U		200.7_CWA
7439-92-1	Lead	10	U		200.7_CWA
7782-49-2	Selenium	20	U		200.7_CWA
7440-22-4	Silver	10	U		200.7_CWA

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: mg/Kg Lab Sample ID: MB 680-273665/1-A

Instrument Code: ICPE Batch No.: 273842

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	2.0	U		6010C
7440-39-3	Barium	0.98	U		6010C
7440-43-9	Cadmium	0.49	U		6010C
7440-47-3	Chromium	0.98	U		6010C
7439-92-1	Lead	0.98	U		6010C
7782-49-2	Selenium	2.5	U		6010C
7440-22-4	Silver	0.98	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: ug/L Lab Sample ID: MB 680-273543/1-A

Instrument Code: LEEMAN2 Batch No.: 273737

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		245.1

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: mg/Kg Lab Sample ID: MB 680-273622/1-A

Instrument Code: LEEMAN2 Batch No.: 273794

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.019	U		7471B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2

SDG No.: 68089421-2

Concentration Units: mg/Kg Lab Sample ID: MB 680-274148/1-A

Instrument Code: LEEMAN2 Batch No.: 274238

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.020	U		7471B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Lab Sample ID: ICSA 680-274405/9 Instrument ID: ICPE
Lab File ID: E04242013ORF.csv ICS Source: P_ICSA_wk_00031
Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
Arsenic		-4.22	
Barium		-1.28	
Cadmium		0.448	
Chromium		1.82	
Lead		1.61	
Selenium		-7.94	
Silver		-0.122	
<i>Aluminum</i>	500000	581745	116
<i>Antimony</i>		8.45	
<i>Beryllium</i>		-0.0781	
<i>Boron</i>		6.05	
<i>Calcium</i>	500000	504710	101
<i>Cobalt</i>		0.752	
<i>Copper</i>		0.549	
<i>Iron</i>	200000	194184	97
<i>Magnesium</i>	500000	542250	108
<i>Manganese</i>		0.969	
<i>Molybdenum</i>		2.64	
<i>Nickel</i>		4.47	
<i>Potassium</i>		4.85	
<i>Sodium</i>		-289	
<i>Strontium</i>		8.24	
<i>Thallium</i>		-5.12	
<i>Tin</i>		-2.58	
<i>Titanium</i>		-0.0170	
<i>Vanadium</i>		1.51	
<i>Zinc</i>		0.788	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Lab Sample ID: ICSAB 680-274405/10 Instrument ID: ICPE
Lab File ID: E04242013ORF.csv ICS Source: P_ICSAB_wk_00044
Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	100	113	113
Barium	500	526	105
Cadmium	1000	1009	101
Chromium	500	520	104
Lead	50.0	49.1	98
Selenium	50.0	43.3	87
Silver	200	227	113
<i>Aluminum</i>	500000	579606	<i>116</i>
<i>Antimony</i>	600	647	<i>108</i>
<i>Beryllium</i>	500	509	<i>102</i>
<i>Boron</i>		-2.74	
<i>Calcium</i>	500000	506348	<i>101</i>
<i>Cobalt</i>	500	504	<i>101</i>
<i>Copper</i>	500	576	<i>115</i>
<i>Iron</i>	200000	193263	<i>97</i>
<i>Magnesium</i>	500000	542028	<i>108</i>
<i>Manganese</i>	500	519	<i>104</i>
<i>Molybdenum</i>	1000	1084	<i>108</i>
<i>Nickel</i>	1000	998	<i>100</i>
<i>Potassium</i>		1.77	
<i>Sodium</i>		-264	
<i>Strontium</i>		9.34	
<i>Thallium</i>	100	89.3	<i>89</i>
<i>Tin</i>	1000	1043	<i>104</i>
<i>Titanium</i>		-6.32	
<i>Vanadium</i>	500	502	<i>100</i>
<i>Zinc</i>	1000	963	<i>96</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Lab Sample ID: ICSA 680-273842/7 Instrument ID: ICPE
Lab File ID: E04192013.csv ICS Source: P_ICSA_wk_00031
Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		2.47	
Barium		5.35	
Cadmium		6.12	
Chromium		0.850	
Lead		7.53	
Selenium		-6.79	
Silver		-0.390	
<i>Aluminum</i>	500000	579636	116
<i>Antimony</i>		-0.917	
<i>Beryllium</i>		-0.211	
<i>Boron</i>		6.53	
<i>Calcium</i>	500000	505548	101
<i>Cobalt</i>		0.415	
<i>Copper</i>		-0.839	
<i>Iron</i>	200000	194848	97
<i>Magnesium</i>	500000	545443	109
<i>Manganese</i>		0.0302	
<i>Molybdenum</i>		2.57	
<i>Nickel</i>		3.68	
<i>Potassium</i>		0.956	
<i>Sodium</i>		-126	
<i>Strontium</i>		7.24	
<i>Thallium</i>		-5.19	
<i>Tin</i>		1.88	
<i>Titanium</i>		-0.342	
<i>Vanadium</i>		0.703	
<i>Zinc</i>		28.7	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Lab Sample ID: ICSAB 680-273842/8 Instrument ID: ICPE
Lab File ID: E04192013.csv ICS Source: P_ICSAB_wk_00044
Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	100	110	110
Barium	500	540	108
Cadmium	1000	1039	104
Chromium	500	526	105
Lead	50.0	58.5	117
Selenium	50.0	43.4	87
Silver	200	224	112
<i>Aluminum</i>	500000	589488	118
<i>Antimony</i>	600	635	106
<i>Beryllium</i>	500	518	104
<i>Boron</i>		-3.92	
<i>Calcium</i>	500000	513019	103
<i>Cobalt</i>	500	518	104
<i>Copper</i>	500	579	116
<i>Iron</i>	200000	196993	98
<i>Magnesium</i>	500000	553159	111
<i>Manganese</i>	500	526	105
<i>Molybdenum</i>	1000	1095	110
<i>Nickel</i>	1000	1015	102
<i>Potassium</i>		-0.824	
<i>Sodium</i>		-373	
<i>Strontium</i>		8.55	
<i>Thallium</i>	100	90.4	90
<i>Tin</i>	1000	1057	106
<i>Titanium</i>		-6.76	
<i>Vanadium</i>	500	510	102
<i>Zinc</i>	1000	1012	101

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: CV1001A-CS MS

Lab ID: 680-89421-1 MS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 77.0

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	63.9	51	12.4	102	75-125	4	6010C
Barium	500	470	12.4	219	75-125	4	6010C
Cadmium	10.5	3.6	6.18	111	75-125		6010C
Chromium	70.0	59	12.4	89	75-125	4	6010C
Lead	472	570	6.18	-1508	75-125	4	6010C
Selenium	12.1	1.3 J	12.4	87	75-125		6010C
Silver	1.29	0.35 J	6.18	15	75-125	F	6010C
Mercury	0.944	0.72	0.123	179	80-120	4	7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: CV1001A-CS (sieve) MS

Lab ID: 680-89421-11 MS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 83.5

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.844	0.69	0.120	130	80-120	4	7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____

Lab ID: 480-36394-H-1-B MS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.991	0.20 U	1.00	99	70-130		245.1

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: _____

Lab ID: 680-89470-B-1-B MS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method	
Arsenic	110	6.6	J	100	104	75-125		200.7 Rev 4.4
Barium	116	13		100	103	75-125		200.7 Rev 4.4
Cadmium	52.7	5.0	U	50.0	105	75-125		200.7 Rev 4.4
Chromium	105	10	U	100	105	75-125		200.7 Rev 4.4
Lead	50.8	10	U	50.0	102	75-125		200.7 Rev 4.4
Selenium	104	20	U	100	104	75-125		200.7 Rev 4.4
Silver	36.1	10	U	50.0	72	75-125	F	200.7 Rev 4.4

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: CV1001A-CS MSD

Lab ID: 680-89421-1 MSD

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 77.0

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	60.1	12.4	72	75-125	6	20	4	6010C
Barium	471	12.4	-17	75-125	6	20	4	6010C
Cadmium	9.93	6.18	102	75-125	5	20		6010C
Chromium	65.8	12.4	55	75-125	6	20	4	6010C
Lead	494	6.18	-1153	75-125	5	20	4	6010C
Selenium	12.8	12.4	93	75-125	6	20		6010C
Silver	1.52	6.18	19	75-125	17	20	F	6010C
Mercury	1.15	0.120	353	80-120	20	20	4	7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: CV1001A-CS (sieve) MSD

Lab ID: 680-89421-11 MSD

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 83.5

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.829		0.107	132	80-120	2	20	4	7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____

Lab ID: 480-36394-H-1-C MSD

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.965		1.00	96	70-130	3	20		245.1

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: _____

Lab ID: 680-89470-B-1-C MSD

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Matrix: Water

Concentration Units: ug/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	105	100	98	75-125	5	20		200.7 Rev 4.4
Barium	115	100	101	75-125	1	20		200.7 Rev 4.4
Cadmium	51.4	50.0	103	75-125	2	20		200.7 Rev 4.4
Chromium	103	100	103	75-125	2	20		200.7 Rev 4.4
Lead	48.6	50.0	97	75-125	4	20		200.7 Rev 4.4
Selenium	97.0	100	97	75-125	7	20		200.7 Rev 4.4
Silver	29.2	50.0	58	75-125	21	20	F	200.7 Rev 4.4

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: CV1001A-CS PDS

Lab ID: 680-89421-1 PDS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA) C	%R	Control Limit %R	Q	Method
Arsenic	297	51	245	100	75-125		6010C
Barium	702	470	245	94	75-125		6010C
Cadmium	9.47	3.6	6.13	96	75-125		6010C
Chromium	81.1	59	24.5	90	75-125		6010C
Lead	610	570	61.3	72	75-125	W	6010C
Selenium	236	1.3 J	245	96	75-125		6010C
Silver	6.16	0.35 J	6.13	95	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: 041513-RB-Shovel PDS

Lab ID: 680-89421-10 PDS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Matrix: Water

Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA) C	%R	Control Limit %R	Q	Method	
Arsenic	2110	20	U	2000	106	75-125		200.7 Rev 4.4
Barium	2130	10	U	2000	107	75-125		200.7 Rev 4.4
Cadmium	53.9	5.0	U	50.0	108	75-125		200.7 Rev 4.4
Chromium	215	10	U	200	108	75-125		200.7 Rev 4.4
Lead	514	10	U	500	103	75-125		200.7 Rev 4.4
Selenium	2040	20	U	2000	102	75-125		200.7 Rev 4.4
Silver	50.0	10	U	50.0	100	75-125		200.7 Rev 4.4

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-273658/3-A
Lab Name: TestAmerica Savannah Job No.: 680-89421-2
Sample Matrix: Water LCS Source: MS Cal Stk_00019

Analyte	Water (ug/L)						
	True	Found	C	%R	Limits	Q	Method
Arsenic	200	204		102	85	115	
Barium	200	194		97	85	115	
Cadmium	200	202		101	85	115	
Chromium	200	201		101	85	115	
Lead	200	192		96	85	115	
Selenium	200	187		93	85	115	
Silver	200	197		99	85	115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-273665/3-A

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

Sample Matrix: Solid

LCS Source: MS Cal Stk_00019

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Arsenic	19.8	20.0		101	75	125	
Barium	19.8	19.6		99	75	125	
Cadmium	19.8	20.1		101	75	125	
Chromium	19.8	20.2		102	75	125	
Lead	19.8	18.9		95	75	125	
Selenium	19.8	18.1		92	75	125	
Silver	19.8	19.6		99	75	125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-273543/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

Sample Matrix: Water

LCS Source: Hg_Int_Cal_00091

Analyte	Water (ug/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	2.50	2.45		98	85	115	245.1

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-273622/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

Sample Matrix: Solid

LCS Source: Hg_Int_Cal_00091

Analyte	Solid (mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.245	0.257		105	80	120	7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-274148/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

Sample Matrix: Solid

LCS Source: Hg_Int_Cal_00091

Analyte	Solid (mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.250	0.300		120	80	120	7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-89421-1

SDG No: 68089421-2

Lab Name: TestAmerica Savannah

Job No: 680-89421-2

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	51		56.8		11	V	6010C
Barium	470		536		13	V	6010C
Cadmium	3.6		3.65		NC		6010C
Chromium	59		66.6		13	V	6010C
Lead	570		658		16	V	6010C
Selenium	1.3	J	15	U	NC		6010C
Silver	0.35	J	6.1	U	NC		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-89421-10

SDG No: 68089421-2

Lab Name: TestAmerica Savannah

Job No: 680-89421-2

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Arsenic	20	U	100	U	NC		200.7 Rev 4.4
Barium	10	U	50	U	NC		200.7 Rev 4.4
Cadmium	5.0	U	25	U	NC		200.7 Rev 4.4
Chromium	10	U	50	U	NC		200.7 Rev 4.4
Lead	10	U	50	U	NC		200.7 Rev 4.4
Selenium	20	U	100	U	NC		200.7 Rev 4.4
Silver	10	U	50	U	NC		200.7 Rev 4.4

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89421-2

SDG Number: 68089421-2

Matrix: Water Instrument ID: ICPE

Method: 200.7 Rev 4.4 MDL Date: 06/02/2009 00:00

Prep Method: 200.7

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic		20	4.6
Barium		10	2.3
Cadmium		5	2
Chromium		10	1.2
Lead		10	4
Selenium		20	6.4
Silver		10	0.89

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89421-2

SDG Number: 68089421-2

Matrix: Water Instrument ID: ICPE

Method: 200.7 Rev 4.4 XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		20	4.6
Barium		10	2.3
Cadmium		5	2
Chromium		10	1.2
Lead		10	4
Selenium		20	6.4
Silver		10	0.89

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89421-2

SDG Number: 68089421-2

Matrix: Solid Instrument ID: ICPE

Method: 6010C MDL Date: 06/02/2009 00:00

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		2	0.59
Barium		1	0.3
Cadmium		0.5	0.1
Chromium		1	0.5
Lead		1	0.53
Selenium		2.5	1
Silver		1	0.096

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89421-2

SDG Number: 68089421-2

Matrix: Solid Instrument ID: ICPE

Method: 6010C XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		20	5.9
Barium		10	3
Cadmium		5	1
Chromium		10	5
Lead		10	5.3
Selenium		25	10
Silver		10	0.96

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89421-2

SDG Number: 68089421-2

Matrix: Water Instrument ID: LEEMAN2

Method: 245.1 MDL Date: 06/02/2009 00:00

Prep Method: 245.1

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.091

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89421-2

SDG Number: 68089421-2

Matrix: Water Instrument ID: LEEMAN2

Method: 245.1 XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.091

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89421-2

SDG Number: 68089421-2

Matrix: Solid Instrument ID: LEEMAN2

Method: 7471B MDL Date: 06/02/2009 00:00

Prep Method: 7471B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.02	0.0082

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89421-2

SDG Number: 68089421-2

Matrix: Solid Instrument ID: LEEMAN2

Method: 7471B XMDL Date: 06/01/2008 15:53

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.08

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89421-2

SDG No.: 68089421-2

ICP-AES Instrument ID: ICPE Date: 03/05/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.215														
Antimony	206.834						0.007900				0.009800		0.000023		
Arsenic	188.980							0.000037					-0.000016		
Barium	389.178												0.000062		0.000112
Beryllium	313.042														
Boron	249.678												-0.000101		
Cadmium	226.502												0.000066		
Calcium	370.602												-0.025890		
Chromium	267.716								-0.000200				0.000005		
Cobalt	228.615										0.000280		-0.000003		
Copper	324.754												0.000006		
Iron	271.441									0.090560	0.001160				
Lead	220.353		-0.000011							-0.000200					
Magnesium	279.078		-0.000142										0.000087		
Manganese	257.610												0.000012		0.000025
Molybdenum	202.032												-0.000007		
Nickel	231.604												0.000008		
Potassium	766.491														
Selenium	196.026												0.000012		
Silver	328.068														
Sodium	330.237												-0.005902		
Strontium	216.596							0.000009					0.000039		
Thallium	190.794									0.000530			-0.000052		
Tin	189.925														
Titanium	334.941														
Vanadium	292.401										-0.002240				
Zinc	206.200										-0.001960				

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah

Job Number: 680-89421-2

SDG No.: 68089421-2

ICP-AES Instrument ID: ICPE Date: 03/05/2013

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	Zn	
Aluminum	308.215		0.023030										-0.003100		
Antimony	206.834		-0.013600						0.000200						
Arsenic	188.980		-0.000430												
Barium	389.178		0.000218										0.000095		
Beryllium	313.042		-0.000082										-0.000019		
Boron	249.678														
Cadmium	226.502														
Calcium	370.602	0.008800								0.058100			0.003040		
Chromium	267.716	0.000090											-0.000200		
Cobalt	228.615		-0.002900						-0.000060		0.002250				
Copper	324.754		0.000550										-0.000200		
Iron	271.441		0.000760										0.004220		
Lead	220.353	0.000130	-0.000800							-0.000325					
Magnesium	279.078	-0.007600													
Manganese	257.610														
Molybdenum	202.032												-0.000260		
Nickel	231.604														
Potassium	766.491														
Selenium	196.026	0.000500													
Silver	328.068	0.000061							-0.000600				0.000081		
Sodium	330.237									-0.150825				-0.144400	
Strontium	216.596		-0.003360		-0.001575										
Thallium	190.794	-0.001466	-0.000433										0.000500		
Tin	189.925														
Titanium	334.941														
Vanadium	292.401		-0.007130							0.000575					
Zinc	206.200														

X-IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah

Job No: 680-89421-2

SDG No.: 68089421-2

Instrument ID: ICPE Date: 02/27/2012 11:40

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		18000	200.7 Rev 4.4
Barium		18000	200.7 Rev 4.4
Cadmium		9000	200.7 Rev 4.4
Chromium		22500	200.7 Rev 4.4
Lead		18000	200.7 Rev 4.4
Selenium		22500	200.7 Rev 4.4
Silver		1800	200.7 Rev 4.4

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Prep Method: 200.7

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 680-273658/1-A	04/19/2013 08:17	273658		50	50
LCS 680-273658/3-A	04/19/2013 08:17	273658		50	50
680-89421-10	04/19/2013 08:17	273658		50	50
680-89470-B-1-B MS	04/19/2013 08:17	273658		50	50
680-89470-B-1-C MSD	04/19/2013 08:17	273658		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2

SDG No.: 68089421-2

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-273665/1-A	04/19/2013 08:35	273665	1.02		100
LCS 680-273665/3-A	04/19/2013 08:35	273665	1.01		100
680-89421-1	04/19/2013 08:35	273665	1.06		100
680-89421-1 MS	04/19/2013 08:35	273665	1.05		100
680-89421-1 MSD	04/19/2013 08:35	273665	1.05		100
680-89421-11	04/19/2013 08:35	273665	1.04		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Prep Method: 245.1

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 680-273543/1-A	04/18/2013 10:42	273543		50	50
LCS 680-273543/2-A	04/18/2013 10:42	273543		50	50
480-36394-H-1-B MS	04/18/2013 10:42	273543		50	50
480-36394-H-1-C MSD	04/18/2013 10:42	273543		50	50
680-89421-10	04/18/2013 10:42	273543		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-273622/1-A	04/18/2013 16:58	273622	0.53		50
LCS 680-273622/2-A	04/18/2013 16:58	273622	0.51		50
680-89421-11	04/18/2013 16:58	273622	0.54		50
680-89421-11 MS	04/18/2013 16:58	273622	0.50		50
680-89421-11 MSD	04/18/2013 16:58	273622	0.56		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-274148/1-A	04/23/2013 17:13	274148	0.51		50
LCS 680-274148/2-A	04/23/2013 17:13	274148	0.50		50
680-89421-1	04/23/2013 17:13	274148	0.53		50
680-89421-1 MS	04/23/2013 17:13	274148	0.53		50
680-89421-1 MSD	04/23/2013 17:13	274148	0.54		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Instrument ID: ICPE Method: 200.7 Rev 4.4
Start Date: 04/24/2013 13:05 End Date: 04/24/2013 17:29

Lab Sample ID	D / F	T Y p e	Time	Analytes									
				A g	A s	B a	C d	C r	P b	S e			
ZZZZZ			13:05										
ZZZZZ			13:09										
ZZZZZ			13:12										
ZZZZZ			13:16										
ZZZZZ			13:20										
ICV 680-274405/6	1		13:23	X	X	X	X	X	X	X	X		
ICBIS 680-274405/7	1		13:27	X	X	X	X	X	X	X	X		
CRI 680-274405/8	1		13:30	X	X	X	X	X	X	X	X		
ICSA 680-274405/9	1		13:34	X	X	X	X	X	X	X	X		
ICSAB 680-274405/10	1		13:37	X	X	X	X	X	X	X	X		
ZZZZZ			13:41										
ZZZZZ			13:45										
ZZZZZ			13:50										
CCV 680-274405/14			13:55										
CCB 680-274405/15			14:00										
ZZZZZ			14:05										
ZZZZZ			14:10										
ZZZZZ			14:15										
ZZZZZ			14:20										
ZZZZZ			14:25										
ZZZZZ			14:29										
ZZZZZ			14:34										
ZZZZZ			14:39										
ZZZZZ			14:44										
ZZZZZ			14:49										
CCV 680-274405/26			15:01										
CCB 680-274405/27			15:07										
ZZZZZ			15:12										
ZZZZZ			15:18										
ZZZZZ			15:24										
ZZZZZ			15:29										
ZZZZZ			15:35										
ZZZZZ			15:41										
ZZZZZ			15:46										
ZZZZZ			15:52										
CCV 680-274405/36	1		15:58	X	X	X	X	X	X	X	X		
CCB 680-274405/37	1		16:03	X	X	X	X	X	X	X	X		
MB 680-273658/1-A	1	T	16:22	X	X	X	X	X	X	X	X		
LCS 680-273658/3-A	1	T	16:28	X	X	X	X	X	X	X	X		
680-89421-10	1	T	16:34	X	X	X	X	X	X	X	X		
680-89421-10 SD	5	T	16:39	X	X	X	X	X	X	X	X		
680-89421-10 PDS	1	T	16:45	X	X	X	X	X	X	X	X		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Instrument ID: ICPE Method: 200.7 Rev 4.4
Start Date: 04/24/2013 13:05 End Date: 04/24/2013 17:29

Lab Sample ID	D / F	T Y p e	Time	Analytes									
				A g	A s	B a	C d	C r	P b	S e			
ZZZZZZ			16:50										
680-89470-B-1-B MS	1	T	16:56	X	X	X	X	X	X	X			
680-89470-B-1-C MSD	1	T	17:02	X	X	X	X	X	X	X	X		
ZZZZZZ			17:07										
ZZZZZZ			17:13										
CCV 680-274405/48	1		17:18	X	X	X	X	X	X	X	X		
CCB 680-274405/49	1		17:24	X	X	X	X	X	X	X	X		
ZZZZZZ			17:29										

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Instrument ID: ICPE Method: 6010C
Start Date: 04/19/2013 11:33 End Date: 04/20/2013 02:15

Lab Sample ID	D / F	T Y p e	Time	Analytes									
				A g	A s	B a	C d	C r	P b	S e			
ZZZZZ			11:33										
ZZZZZ			11:36										
ZZZZZ			11:39										
ICV 680-273842/4	1		11:43	X	X	X	X	X	X	X			
ICBIS 680-273842/5	1		11:47	X	X	X	X	X	X	X	X		
CRI 680-273842/6	1		11:50	X	X	X	X	X	X	X	X		
ICSA 680-273842/7	1		11:54	X	X	X	X	X	X	X	X		
ICSAB 680-273842/8	1		11:57	X	X	X	X	X	X	X	X		
ZZZZZ			12:01										
ZZZZZ			12:06										
ZZZZZ			12:11										
CCV 680-273842/12			12:17										
CCB 680-273842/13			12:23										
ZZZZZ			12:28										
ZZZZZ			12:34										
ZZZZZ			12:39										
ZZZZZ			12:45										
ZZZZZ			12:50										
ZZZZZ			12:56										
ZZZZZ			13:02										
ZZZZZ			13:07										
ZZZZZ			13:13										
ZZZZZ			13:18										
CCV 680-273842/24			13:32										
CCB 680-273842/25			13:38										
ZZZZZ			13:43										
ZZZZZ			13:49										
ZZZZZ			13:54										
ZZZZZ			14:00										
ZZZZZ			14:05										
ZZZZZ			14:11										
ZZZZZ			14:17										
ZZZZZ			14:22										
ZZZZZ			14:32										
ZZZZZ			14:37										
CCV 680-273842/36			14:43										
CCB 680-273842/37			14:49										
ZZZZZ			14:54										
ZZZZZ			15:00										
ZZZZZ			15:05										
ZZZZZ			15:11										
ZZZZZ			15:16										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Instrument ID: ICPE Method: 6010C
Start Date: 04/19/2013 11:33 End Date: 04/20/2013 02:15

Lab Sample ID	D / F	T Y p e	Time	Analytes								
				A g	A s	B a	C d	C r	P b	S e		
ZZZZZZ			15:22									
ZZZZZZ			15:28									
ZZZZZZ			15:33									
ZZZZZZ			15:39									
ZZZZZZ			15:48									
CCV 680-273842/48			15:54									
CCB 680-273842/49			16:00									
ZZZZZZ			16:05									
ZZZZZZ			16:11									
ZZZZZZ			16:16									
ZZZZZZ			16:22									
ZZZZZZ			16:27									
ZZZZZZ			16:39									
ZZZZZZ			16:45									
ZZZZZZ			16:51									
ZZZZZZ			16:57									
ZZZZZZ			17:02									
CCV 680-273842/60			17:08									
CCB 680-273842/61			17:13									
ZZZZZZ			17:19									
ZZZZZZ			17:25									
ZZZZZZ			17:30									
ZZZZZZ			17:38									
ZZZZZZ			17:44									
ZZZZZZ			17:49									
ZZZZZZ			17:55									
ZZZZZZ			18:01									
ZZZZZZ			18:06									
ZZZZZZ			18:12									
CCV 680-273842/72			18:17									
CCB 680-273842/73			18:23									
ZZZZZZ			18:29									
ZZZZZZ			18:34									
ZZZZZZ			18:40									
ZZZZZZ			18:45									
ZZZZZZ			18:51									
ZZZZZZ			18:57									
ZZZZZZ			19:02									
ZZZZZZ			19:08									
ZZZZZZ			19:14									
ZZZZZZ			19:19									
CCV 680-273842/84			19:25									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Instrument ID: ICPE Method: 6010C
Start Date: 04/19/2013 11:33 End Date: 04/20/2013 02:15

Lab Sample ID	D / F	T Y p e	Time	Analytes								
				A g	A s	B a	C d	C r	P b	S e		
CCB 680-273842/85			19:30									
ZZZZZZ			19:36									
ZZZZZZ			19:42									
ZZZZZZ			19:47									
ZZZZZZ			19:53									
ZZZZZZ			19:58									
ZZZZZZ			20:04									
ZZZZZZ			20:09									
ZZZZZZ			20:15									
ZZZZZZ			20:21									
ZZZZZZ			20:26									
CCV 680-273842/96			20:32									
CCB 680-273842/97			20:38									
ZZZZZZ			20:43									
ZZZZZZ			20:49									
ZZZZZZ			20:55									
ZZZZZZ			21:00									
ZZZZZZ			21:06									
ZZZZZZ			21:12									
ZZZZZZ			21:17									
ZZZZZZ			21:23									
ZZZZZZ			21:28									
ZZZZZZ			21:34									
CCV 680-273842/108	1		21:40	X	X	X	X	X	X	X		
CCB 680-273842/109	1		21:45	X	X	X	X	X	X	X	X	
ZZZZZZ			21:51									
ZZZZZZ			21:57									
ZZZZZZ			22:02									
ZZZZZZ			22:08									
ZZZZZZ			22:13									
ZZZZZZ			22:19									
ZZZZZZ			22:25									
ZZZZZZ			22:30									
ZZZZZZ			22:36									
MB 680-273665/1-A	1	T	22:41	X	X	X	X	X	X	X		
CCV 680-273842/120	1		22:47	X	X	X	X	X	X	X	X	
CCB 680-273842/121	1		22:53	X	X	X	X	X	X	X	X	
ZZZZZZ			22:58									
LCS 680-273665/3-A	1	T	23:04	X	X	X	X	X	X	X	X	
680-89421-1	1	T	23:09	X	X	X	X	X	X	X	X	
680-89421-1 SD	5	T	23:15	X	X	X	X	X	X	X	X	
680-89421-1 PDS	1	T	23:21	X	X	X	X	X	X	X	X	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Instrument ID: ICPE Method: 6010C
Start Date: 04/19/2013 11:33 End Date: 04/20/2013 02:15

Prep Types

$$T = \text{Total/NA}$$

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Instrument ID: LEEMAN2 Method: 245.1
Start Date: 04/19/2013 10:42 End Date: 04/19/2013 12:42

Lab Sample ID	D / F	T Y p e	Time	Analytes											
				H g											
IC 680-273543/8-A			10:42	X											
IC 680-273543/9-A			10:45	X											
IC 680-273543/10-A			10:47	X											
IC 680-273543/11-A			10:49	X											
IC 680-273543/12-A			10:52	X											
IC 680-273543/13-A			10:54	X											
ICV 680-273543/18-A	1		10:57	X											
ICB 680-273543/19-A	1		10:59	X											
CRA 680-273543/20-A	1		11:02	X											
CCV 680-273543/15-A			11:04												
CCB 680-273543/16-A			11:07												
ZZZZZZ			11:09												
ZZZZZZ			11:12												
ZZZZZZ			11:14												
ZZZZZZ			11:16												
ZZZZZZ			11:19												
ZZZZZZ			11:21												
ZZZZZZ			11:24												
ZZZZZZ			11:26												
ZZZZZZ			11:29												
ZZZZZZ			11:31												
CCV 680-273543/15-A	1		11:34	X											
CCB 680-273543/16-A	1		11:36	X											
ZZZZZZ			11:38												
MB 680-273543/1-A	1	T	11:41	X											
LCS 680-273543/2-A	1	T	11:43	X											
ZZZZZZ			11:46												
ZZZZZZ			11:48												
480-36394-H-1-B MS	1	T	11:51	X											
480-36394-H-1-C MSD	1	T	11:53	X											
ZZZZZZ			11:56												
680-89421-10	1	T	11:58	X											
ZZZZZZ			12:00												
CCV 680-273543/15-A	1		12:03	X											
CCB 680-273543/16-A	1		12:05	X											
ZZZZZZ			12:08												
ZZZZZZ			12:10												
ZZZZZZ			12:13												
ZZZZZZ			12:15												
ZZZZZZ			12:18												
ZZZZZZ			12:20												
ZZZZZZ			12:23												

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2

SDG No.: 68089421-2

Instrument ID: LEEMAN2 Method: 245.1

Start Date: 04/19/2013 10:42 End Date: 04/19/2013 12:42

Prep Types

$$T = \text{Total/NA}$$

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Instrument ID: LEEMAN2 Method: 7471B
Start Date: 04/19/2013 13:24 End Date: 04/19/2013 15:05

Lab Sample ID	D / F	T Y p e	Time	Analytes											
				Hg											
IC 680-273622/23-A			13:24	X											
IC 680-273622/24-A			13:27	X											
IC 680-273622/25-A			13:29	X											
IC 680-273622/26-A			13:32	X											
IC 680-273622/27-A			13:34	X											
IC 680-273622/25-A			13:37	X											
ICV 680-273622/33-A	1		13:39	X											
ICB 680-273622/34-A	1		13:41	X											
CRA 680-273622/35-A	1		13:44	X											
CCV 680-273622/30-A	1		13:46	X											
CCB 680-273622/31-A	1		13:49	X											
MB 680-273622/1-A	1	T	13:51	X											
LCS 680-273622/2-A	1	T	13:54	X											
ZZZZZZ			13:56												
ZZZZZZ			13:59												
ZZZZZZ			14:01												
ZZZZZZ			14:03												
ZZZZZZ			14:06												
ZZZZZZ			14:08												
ZZZZZZ			14:11												
ZZZZZZ			14:13												
CCV 680-273622/30-A	1		14:16	X											
CCB 680-273622/31-A	1		14:18	X											
ZZZZZZ			14:21												
ZZZZZZ			14:23												
ZZZZZZ			14:26												
ZZZZZZ			14:28												
ZZZZZZ			14:30												
ZZZZZZ			14:33												
ZZZZZZ			14:35												
ZZZZZZ			14:38												
ZZZZZZ			14:40												
ZZZZZZ			14:43												
CCV 680-273622/30-A	1		14:45	X											
CCB 680-273622/31-A	1		14:48	X											
ZZZZZZ			14:50												
ZZZZZZ			14:53												
680-89421-11	2	T	14:55	X											
680-89421-11 MS	2	T	14:58	X											
680-89421-11 MSD	2	T	15:00	X											
CCV 680-273622/30-A	1		15:02	X											
CCB 680-273622/31-A	1		15:05	X											

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Instrument ID: LEEMAN2 Method: 7471B
Start Date: 04/19/2013 13:24 End Date: 04/19/2013 15:05

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Instrument ID: LEEMAN2 Method: 7471B
Start Date: 04/23/2013 14:48 End Date: 04/24/2013 11:38

Lab Sample ID	D / F	T Y p e	Time	Analytes											
				H g											
IC 680-274048/19-A			14:48	X											
IC 680-274048/20-A			14:50	X											
IC 680-274048/21-A			14:53	X											
IC 680-274048/22-A			14:55	X											
IC 680-274048/23-A			14:58	X											
IC 680-274048/24-A			15:00	X											
ICV 680-274048/29-A	1		15:03	X											
ICB 680-274048/30-A	1		15:05	X											
CRA 680-274048/31-A	1		15:07	X											
CCV 680-274048/26-A			15:10												
CCB 680-274048/27-A			15:12												
ZZZZZZ			15:15												
ZZZZZZ			15:17												
ZZZZZZ			15:20												
ZZZZZZ			15:22												
ZZZZZZ			15:25												
ZZZZZZ			15:27												
ZZZZZZ			15:29												
ZZZZZZ			15:32												
ZZZZZZ			15:34												
ZZZZZZ			15:37												
CCV 680-274048/26-A			15:39												
CCB 680-274048/27-A			15:42												
ZZZZZZ			15:44												
ZZZZZZ			15:47												
ZZZZZZ			15:49												
ZZZZZZ			15:51												
ZZZZZZ			15:54												
ZZZZZZ			15:56												
ZZZZZZ			15:59												
ZZZZZZ			16:01												
CCV 680-274048/26-A			16:04												
CCB 680-274048/27-A			16:06												
CCV 680-274048/26-A			17:41												
CCB 680-274048/27-A			17:43												
ZZZZZZ			17:46												
ZZZZZZ			17:48												
ZZZZZZ			17:51												
ZZZZZZ			17:53												
ZZZZZZ			17:56												
ZZZZZZ			17:58												
ZZZZZZ			18:00												

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2
SDG No.: 68089421-2
Instrument ID: LEEMAN2 Method: 7471B
Start Date: 04/23/2013 14:48 End Date: 04/24/2013 11:38

Lab Sample ID	D / F	T Y p e	Time	Analytes											
				Hg											
CCV 680-274048/26-A			18:03												
CCB 680-274048/27-A			18:05												
CCV 680-274048/26-A	1		09:13	X											
CCB 680-274048/27-A	1		09:16	X											
MB 680-274148/1-A	1	T	09:18	X											
LCS 680-274148/2-A	1	T	09:21	X											
ZZZZZZ			09:23												
ZZZZZZ			09:25												
ZZZZZZ			09:28												
ZZZZZZ			09:30												
ZZZZZZ			09:33												
ZZZZZZ			09:35												
ZZZZZZ			09:38												
ZZZZZZ			09:40												
CCV 680-274048/26-A	1		09:43	X											
CCB 680-274048/27-A	1		09:45	X											
ZZZZZZ			09:47												
ZZZZZZ			09:50												
ZZZZZZ			09:52												
ZZZZZZ			09:55												
ZZZZZZ			09:57												
ZZZZZZ			10:00												
ZZZZZZ			10:02												
ZZZZZZ			10:05												
ZZZZZZ			10:07												
ZZZZZZ			10:10												
CCV 680-274048/26-A			10:12												
CCB 680-274048/27-A			10:14												
ZZZZZZ			10:17												
ZZZZZZ			10:19												
ZZZZZZ			10:22												
ZZZZZZ			10:24												
ZZZZZZ			10:27												
ZZZZZZ			10:29												
ZZZZZZ			10:32												
CCV 680-274048/26-A			10:34												
CCB 680-274048/27-A			10:36												
CCV 680-274048/26-A	1		11:21	X											
CCB 680-274048/27-A	1		11:23	X											
680-89421-1	2	T	11:26	X											
680-89421-1 MS	2	T	11:28	X											
680-89421-1 MSD	2	T	11:31	X											

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89421-2

SDG No.: 68089421-2

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/23/2013 14:48 End Date: 04/24/2013 11:38

Prep Types

T = Total/NA

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Blank (Blk)	4/24/2013, 1:05:47 PM		Rack S, Tube 1		
Label	Replicates	Concentration			
Ag 328.068	0.1814	-0.2719	0.0904		
Al 308.215	6.3310	-4.0726	-2.2584		
As 188.980	-1.4029	1.5223	-0.1193		
B 249.678	0.5945	-0.4402	-0.1543		
Ba 389.178	-0.2493	-0.2826	0.5319		
Be 313.042	0.0029	-0.0028	-0.0001		
Ca 370.602	-0.7839	-1.615	2.399		
Cd 226.502	0.1774	-0.0492	-0.1282		
Co 228.615	-0.2153	0.3375	-0.1221		
Cr 267.716	-0.0508	-0.2234	0.2742		
Cu 324.754	0.3786	-0.1109	-0.2676		
Fe 271.441	0.7524	1.4595	-2.2119		
K 766.491	-0.4728	0.3701	0.1028		
Mg 279.078	-1.4561	-1.4527	2.9088		
Mn 257.610	-0.0140	0.0368	-0.0228		
Mo 202.032	0.0472	0.1021	-0.1493		
Na 330.237	43.1746	25.3708	-68.5454		
Ni 231.604	-0.0972	-0.2861	0.3833		
Pb 220.353	0.4266	0.4049	-0.8315		
Sb 206.834	1.8338	-3.9496	2.1158		
Se 196.026	-1.8178	-1.9155	3.7333		
Sn 189.925	2.8814	0.3305	-3.2119		
Sr 216.596	0.0720	-0.3404	0.2685		
Ti 334.941	0.0247	-0.0043	-0.0203		
Tl 190.794	3.1120	-1.6050	-1.5071		
V 292.401	0.0660	-0.1366	0.0706		
Zn 206.200	-0.1809	-0.1342	0.3151		
Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	18.227	46.4	-39.2949
Al 308.215	0.0000	ppb	12.731	43.1	-29.5050
As 188.980	0.0000	ppb	0.976	9.3	-10.4595
B 249.678	0.0000	ppb	6.674	6.4	104.975
Ba 389.178	0.0000	ppb	9.802	31.9	-30.7188
Be 313.042	0.0000	ppb	5.063	1.5	-332.566
Ca 370.602	0.0000	ppb	5.889	224.0	-2.629
Cd 226.502	0.0000	ppb	5.506	19.7	27.9265
Co 228.615	0.0000	ppb	2.964	23.9	-12.4177
Cr 267.716	0.0000	ppb	8.078	24.1	-33.4718
Cu 324.754	0.0000	ppb	18.142	12.6	144.171
Fe 271.441	0.0000	ppb	3.299	3.7	88.4484
K 766.491	0.0000	ppb	13.502	6.9	195.702
Mg 279.078	0.0000	ppb	5.317	17.4	30.5595
Mn 257.610	0.0000	ppb	7.680	21.6	35.6344
Mo 202.032	0.0000	ppb	0.954	6.8	14.0329
Na 330.237	0.0000	ppb	2.973	4.9	60.9387
Ni 231.604	0.0000	ppb	0.921	12.6	-7.3134
Pb 220.353	0.0000	ppb	1.084	3.1	35.1006
Sb 206.834	0.0000	ppb	3.770	811.3	0.4646
Se 196.026	0.0000	ppb	1.616	17.4	9.2766
Sn 189.925	0.0000	ppb	2.259	29.7	-7.6061
Sr 216.596	0.0000	ppb	3.070	13.1	23.3745
Ti 334.941	0.0000	ppb	5.829	8.4	-69.4033
Tl 190.794	0.0000	ppb	2.592	16.2	-16.0092
V 292.401	0.0000	ppb	3.169	29.0	-10.9398
Zn 206.200	0.0000	ppb	0.379	22.1	1.7181

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

HIGH STD (Std)	4/24/2013, 1:09:21 PM		Rack S, Tube 2
Label	Replicates	Concentration	
Ag 328.068	989.739	999.460	1010.80
Al 308.215	9887.09	10005.5	10107.4
As 188.980	993.716	1005.78	1000.50
B 249.678	984.434	1002.28	1013.28
Ba 389.178	9891.03	10020.7	10088.3
Be 313.042	988.178	1001.68	1010.14
Ca 370.602	9898	10017	10085
Cd 226.502	991.237	1002.56	1006.21
Co 228.615	991.186	1001.89	1006.93
Cr 267.716	9892.63	10009.9	10097.5
Cu 324.754	9904.45	9969.01	10126.5
Fe 271.441	9901.14	10019.7	10079.2
K 766.491	19818.7	19994.7	20186.6
Mg 279.078	9908.19	10018.6	10073.3
Mn 257.610	9899.32	10026.4	10074.3
Mo 202.032	991.550	1007.82	1000.63
Na 330.237	14743.7	14894.6	15361.8
Ni 231.604	4951.66	5023.72	5024.63
Pb 220.353	989.987	1002.89	1007.12
Sb 206.834	1977.75	2002.77	2019.48
Se 196.026	9901.65	10033.1	10065.2
Sn 189.925	9846.05	9984.27	10169.7
Sr 216.596	4949.85	5010.04	5040.11
Ti 334.941	989.654	1001.01	1009.33
Tl 190.794	9916.90	10001.0	10082.1
V 292.401	9900.83	10012.5	10086.7
Zn 206.200	4950.08	5026.70	5023.22
Label	Sol'n Conc.	Units	SD(Int) %RSD(Int) Int. (c/s)
Ag 328.068	1000.00	ppb	801.215 1.1 75966.2
Al 308.215	10000.0	ppb	252.628 1.1 22879.0
As 188.980	1000.00	ppb	4.028 0.6 655.477
B 249.678	1000.00	ppb	181.858 1.4 12595.5
Ba 389.178	10000.0	ppb	2131.800 1.0 212620
Be 313.042	1000.00	ppb	19923.410 1.1 1798108
Ca 370.602	10000	ppb	263.235 0.9 27793
Cd 226.502	1000.00	ppb	270.921 0.8 34736.5
Co 228.615	1000.00	ppb	80.493 0.8 10002.1
Cr 267.716	10000.0	ppb	3286.628 1.0 319703
Cu 324.754	10000.0	ppb	6148.552 1.1 538341
Fe 271.441	10000.0	ppb	153.511 0.9 17025.0
K 766.491	20000.0	ppb	5768.947 0.9 627144
Mg 279.078	10000.0	ppb	177.466 0.8 21137.9
Mn 257.610	10000.0	ppb	21567.760 0.9 2385092
Mo 202.032	1000.00	ppb	58.838 0.8 7232.28
Na 330.237	15000.0	ppb	15.959 2.0 803.801
Ni 231.604	5000.00	ppb	111.717 0.8 13333.7
Pb 220.353	1000.00	ppb	13.433 0.9 1540.06
Sb 206.834	2000.00	ppb	23.124 1.0 2202.76
Se 196.026	10000.0	ppb	43.323 0.9 5007.90
Sn 189.925	10000.0	ppb	119.869 1.6 7374.07
Sr 216.596	5000.00	ppb	454.058 0.9 49419.8
Ti 334.941	1000.00	ppb	2526.437 1.0 255682
Tl 190.794	10000.0	ppb	79.457 0.8 9600.20
V 292.401	10000.0	ppb	2506.280 0.9 267900
Zn 206.200	5000.00	ppb	59.884 0.9 6922.29

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Ag 328.068 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-39.2949	0.0000	0.0000	-	-
HIGH STD		75966.2	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 76.0 x + -39.3$

Al 308.215 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-29.5050	0.0000	0.0000	-	-
HIGH STD		22879.0	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 2.3 x + -29.5$

As 188.980 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.4595	0.0000	0.0000	-	-
HIGH STD		655.477	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 0.7 x + -10.5$

B 249.678 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		104.975	0.0000	0.0000	-	-
HIGH STD		12595.5	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: $y = 12.5 x + 105.0$

Ba 389.178 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-30.7188	0.0000	0.0000	-	-
HIGH STD		212620	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 21.3 x + -30.7$

Be 313.042 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-332.566	0.0000	0.0000	-	-
HIGH STD		1798108	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1798.4 x + -332.6$

Ca 370.602 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.629	0.0000	0.0000	-	-
HIGH STD		27793	10000	10000	-0.0010	0.0

Curve Type: Linear Equation: $y = 2.8 x + -2.6$

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Cd 226.502 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		27.9265	0.0000	0.0000	-	-
HIGH STD		34736.5	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 34.7 x + 27.9$

Co 228.615 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-12.4177	0.0000	0.0000	-	-
HIGH STD		10002.1	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 10.0 x + -12.4$

Cr 267.716 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-33.4718	0.0000	0.0000	-	-
HIGH STD		319703	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 32.0 x + -33.5$

Cu 324.754 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		144.171	0.0000	0.0000	-	-
HIGH STD		538341	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 53.8 x + 144.2$

Fe 271.441 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		88.4484	0.0000	0.0000	-	-
HIGH STD		17025.0	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 1.7 x + 88.4$

K 766.491 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		195.702	0.0000	0.0000	-	-
HIGH STD		627144	20000.0	20000.0	-0.0020	0.0

Curve Type: Linear Equation: $y = 31.3 x + 195.7$

Mg 279.078 Calibration (ppb)		4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		30.5595	0.0000	0.0000	-	-
HIGH STD		21137.9	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 2.1 x + 30.6$

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Mn 257.610 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		35.6344	0.0000	0.0000	-
HIGH STD		2385092	10000.0	10000.0	0.0000

Curve Type: Linear Equation: $y = 238.5 x + 35.6$

Mo 202.032 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		14.0329	0.0000	0.0000	-
HIGH STD		7232.28	1000.00	1000.00	0.0000

Curve Type: Linear Equation: $y = 7.2 x + 14.0$

Na 330.237 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		60.9387	0.0000	0.0000	-
HIGH STD		803.801	15000.0	15000.0	-0.0010

Curve Type: Linear Equation: $y = 0.0 x + 60.9$

Ni 231.604 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		-7.3134	0.0000	0.0000	-
HIGH STD		13333.7	5000.00	5000.00	0.0000

Curve Type: Linear Equation: $y = 2.7 x + -7.3$

Pb 220.353 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		35.1006	0.0000	0.0000	-
HIGH STD		1540.06	1000.00	1000.000	-0.0002

Curve Type: Linear Equation: $y = 1.5 x + 35.1$

Sb 206.834 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		0.4646	0.0000	0.0000	-
HIGH STD		2202.76	2000.00	2000.00	0.0000

Curve Type: Linear Equation: $y = 1.1 x + 0.5$

Se 196.026 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		9.2766	0.0000	0.0000	-
HIGH STD		5007.90	10000.0	10000.0	0.0000

Curve Type: Linear Equation: $y = 0.5 x + 9.3$

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Sn 189.925 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-7.6061	0.0000	0.0000	-	-
HIGH STD		7374.07	10000.0	10000.0	0.0010	0.0
Curve Type: Linear	Equation: $y = 0.7 x + -7.6$					
Sr 216.596 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		23.3745	0.0000	0.0000	-	-
HIGH STD		49419.8	5000.00	5000.00	0.0000	0.0
Curve Type: Linear	Equation: $y = 9.9 x + 23.4$					
Ti 334.941 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-69.4033	0.0000	0.0000	-	-
HIGH STD		255682	1000.00	1000.00	0.0000	0.0
Curve Type: Linear	Equation: $y = 255.8 x + -69.4$					
Tl 190.794 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-16.0092	0.0000	0.0000	-	-
HIGH STD		9600.20	10000.0	10000.0	0.0000	0.0
Curve Type: Linear	Equation: $y = 1.0 x + -16.0$					
V 292.401 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.9398	0.0000	0.0000	-	-
HIGH STD		267900	10000.0	10000.0	0.0010	0.0
Curve Type: Linear	Equation: $y = 26.8 x + -10.9$					
Zn 206.200 Calibration (ppb)	4/24/2013, 1:09:21 PM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.7181	0.0000	0.0000	-	-
HIGH STD		6922.29	5000.00	5000.00	0.0005	0.0
Curve Type: Linear	Equation: $y = 1.4 x + 1.7$					
Lab Control Sample (LCS)	4/24/2013, 1:12:55 PM		Rack S, Tube 2			
Weight: 1	Volume: 1		Dilution: 1			
Label	Replicates Concentration					
Ag 328.068	1008.57	1005.47	990.386			
Al 308.215	10042.3	9997.39	9882.06			
As 188.980	1005.77	978.079	974.926			
B 249.678	1031.29	1027.88	1019.62			
Ba 389.178	10025.6	9966.21	9902.48			

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Label	Replicates	Concentration	
Be 313.042	1002.73	1000.02	989.346
Ca 370.602	9992	9923	9857
Cd 226.502	1000.55	995.473	987.794
Co 228.615	1004.89	998.844	992.430
Cr 267.716	10038.9	9987.06	9898.68
Cu 324.754	10055.1	10156.1	9864.23
Fe 271.441	10024.9	9970.77	9893.26
K 766.491	20149.0	20060.3	19968.5
Mg 279.078	10006.7	9959.92	9875.94
Mn 257.610	10025.1	9984.37	9859.56
Mo 202.032	1000.09	998.019	986.126
Na 330.237	15086.3	15111.0	15053.4
Ni 231.604	5007.46	4973.60	4933.90
Pb 220.353	995.476	992.609	992.255
Sb 206.834	1995.28	1986.69	1967.15
Se 196.026	10021.3	9995.21	9859.17
Sn 189.925	9893.46	10070.2	9806.00
Sr 216.596	5008.04	4986.23	4938.53
Ti 334.941	1002.07	996.521	989.957
Tl 190.794	10014.0	9972.37	9889.93
V 292.401	10019.8	9992.03	9909.65
Zn 206.200	4995.38	4964.52	4930.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1001.48	ppb	9.7289	1.0	75959.0	100.14757
Al 308.215	9973.90	ppb	82.6447	0.8	22800.9	99.73904
As 188.980	986.257	ppb	16.9693	1.7	646.020	98.62572
B 249.678	1026.27	ppb	6.0025	0.6	12911.0	20.52531*
Ba 389.178	9964.78	ppb	61.5975	0.6	211932	99.64780
Be 313.042	997.366	ppb	7.0768	0.7	1792876	99.73656
Ca 370.602	9924	ppb	67.66	0.7	27353	99.24111
Cd 226.502	994.605	ppb	6.4206	0.6	34581.1	99.46046
Co 228.615	998.721	ppb	6.2299	0.6	10004.6	99.87207
Cr 267.716	9974.87	ppb	70.8836	0.7	318861	99.74870
Cu 324.754	10025.2	ppb	148.232	1.5	539620	100.25154
Fe 271.441	9962.99	ppb	66.1814	0.7	17207.0	99.62991
K 766.491	20059.2	ppb	90.2348	0.4	629001	100.29618
Mg 279.078	9947.53	ppb	66.2668	0.7	20866.3	99.47531
Mn 257.610	9956.33	ppb	86.2449	0.9	2374766	99.56332
Mo 202.032	994.747	ppb	7.5375	0.8	7175.14	99.47466
Na 330.237	15083.5	ppb	28.8791	0.2	762.069	100.55688
Ni 231.604	4971.65	ppb	36.8144	0.7	13258.3	99.43310
Pb 220.353	993.447	ppb	1.7659	0.2	1530.00	99.34468
Sb 206.834	1983.04	ppb	14.4128	0.7	2287.85	39.66080*
Se 196.026	9958.54	ppb	87.0436	0.9	4989.72	99.58544
Sn 189.925	9923.23	ppb	134.610	1.4	7317.41	99.23229
Sr 216.596	4977.60	ppb	35.5502	0.7	49092.8	99.55200
Ti 334.941	996.183	ppb	6.0638	0.6	254747	99.61830
Tl 190.794	9958.75	ppb	63.1241	0.6	9550.89	99.58752
V 292.401	9973.84	ppb	57.2956	0.6	266426	99.73836
Zn 206.200	4963.35	ppb	32.6223	0.7	6846.73	99.26703

Initial Calib Verif (ICV) 4/24/2013, 1:16:30 PM Rack S, Tube 3
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	1055.64	981.296	963.460
Al 308.215	1033.79	954.396	932.553

Label	Replicates	Concentration	
As 188.980	1014.89	967.035	952.772
B 249.678	1081.67	1010.74	1000.45
Ba 389.178	1117.03	1036.00	1021.97
Be 313.042	1124.20x	1042.49x	1026.21x
Ca 370.602	1113	1030	1006
Cd 226.502	1119.90x	1039.76x	1026.60x
Co 228.615	1096.32	1003.83	986.735
Cr 267.716	1104.85	1021.51	1005.14
Cu 324.754	1128.05	1026.51	1008.84
Fe 271.441	1055.17	970.056	967.564
K 766.491	10606.5	10026.3	9895.91
Mg 279.078	1080.09	1007.16	999.689
Mn 257.610	1144.65	1064.42	1051.78
Mo 202.032	1074.05x	998.960	988.817
Na 330.237	10267.7	9408.30	9517.36
Ni 231.604	1129.47	1035.93	1021.25
Pb 220.353	1071.89	992.037	981.462
Sb 206.834	1071.46	992.909	971.408
Se 196.026	1063.38	975.534	967.356
Sn 189.925	5473.83	4922.31	4855.22
Sr 216.596	5417.74x	5023.34	4963.08
Ti 334.941	1058.80	980.440	966.492
Tl 190.794	1098.65	1017.75	1011.64
V 292.401	1077.32	1001.20	988.451
Zn 206.200	1099.65	1023.08	1012.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1000.13b	ppb	48.8936	4.9	75752.2	100.01334
Al 308.215	973.578b	ppb	53.2733	5.5	2247.63	97.35783
As 188.980	978.232b	ppb	32.5367	3.3	640.685	97.82320
B 249.678	1030.95b	ppb	44.2233	4.3	12980.8	103.09534
Ba 389.178	1058.34b	ppb	51.3156	4.8	22485.5	105.83366Q
Be 313.042	1064.30xb	ppb	52.5074	4.9	1913561	106.43008Q
Ca 370.602	1049b	ppb	56.19	5.4	3034	104.92352
Cd 226.502	1062.09xb	ppb	50.5001	4.8	36895.0	106.20898Q
Co 228.615	1028.96b	ppb	58.9552	5.7	10284.8	102.89584
Cr 267.716	1043.83b	ppb	53.4725	5.1	33333.1	104.38326
Cu 324.754	1054.47b	ppb	64.3319	6.1	56914.9	105.44661Q
Fe 271.441	997.596b	ppb	49.8738	5.0	1945.60	99.75958
K 766.491	10176.2b	ppb	378.262	3.7	319194	101.76218
Mg 279.078	1028.98b	ppb	44.4211	4.3	2184.93	102.89787
Mn 257.610	1086.95b	ppb	50.3670	4.6	259288	108.69472Q
Mo 202.032	1020.61xb	ppb	46.5555	4.6	7379.07	102.06074
Na 330.237	9731.12b	ppb	467.876	4.8	527.568	97.31120
Ni 231.604	1062.22b	ppb	58.7018	5.5	2826.92	106.22160Q
Pb 220.353	1015.13b	ppb	49.4393	4.9	1560.99	101.51295
Sb 206.834	1011.93b	ppb	52.6699	5.2	1121.11	101.19271
Se 196.026	1002.09b	ppb	53.2349	5.3	510.461	100.20896
Sn 189.925	5083.78b	ppb	339.446	6.7	3745.08	101.67569
Sr 216.596	5134.72xb	ppb	246.945	4.8	50700.7	102.69437
Ti 334.941	1001.91b	ppb	49.7592	5.0	256174	100.19108
Tl 190.794	1042.68b	ppb	48.5685	4.7	985.651	104.26797
V 292.401	1022.32b	ppb	48.0560	4.7	27135.2	102.23244
Zn 206.200	1045.00b	ppb	47.6371	4.6	1445.51	104.49994

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Initial Calib Blank (ICB)		4/24/2013, 1:20:04 PM		Rack S, Tube 1		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	0.2932	0.1067	0.3327			
Al 308.215	-4.5360u	-2.7647u	-2.8004u			
As 188.980	2.4469	2.6041	2.3351			
B 249.678	59.0392	48.4977	44.6622			
Ba 389.178	0.8224	-0.4385u	0.2650			
Be 313.042	0.0469	0.0844	0.0624			
Ca 370.602	0.4078	-1.708u	2.120			
Cd 226.502	0.0127	-0.0767u	-0.1300u			
Co 228.615	0.5500	0.4037	0.5558			
Cr 267.716	0.0977	0.2908	-0.1150u			
Cu 324.754	0.7522	0.1858	-0.0194u			
Fe 271.441	7.4296	-0.5461u	0.4102			
K 766.491	1.9178	1.9163	1.7939			
Mg 279.078	2.2026	2.1503	1.3169			
Mn 257.610	0.2403	0.2108	0.1557			
Mo 202.032	2.6583	1.7686	1.3397			
Na 330.237	205.538	24.9882	37.0221			
Ni 231.604	1.5603	-0.2505u	1.2901			
Pb 220.353	3.2235	-1.1502u	2.0151			
Sb 206.834	6.3254	4.1167	4.8764			
Se 196.026	9.7021	13.0060	0.6939			
Sn 189.925	-0.8017u	-1.4380u	-0.1308u			
Sr 216.596	0.0887	0.4245	0.1934			
Ti 334.941	0.5809	0.5423	0.4327			
Tl 190.794	3.4544	4.0486	4.8994			
V 292.401	0.3314	0.1797	0.2216			
Zn 206.200	-0.2581u	-0.5950u	-1.0251u			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2442	ppb	0.1207	49.4	-20.7861	0.24417
Al 308.215	-3.3671	ppb	1.0125	30.1	-37.1333	-3.36707
As 188.980	2.4620	ppb	0.1351	5.5	-8.8204	2.46205
B 249.678	50.7330	ppb	7.4446	14.7	738.652	50.73305Z
Ba 389.178	0.2163	ppb	0.6319	292.1	-26.1032	0.21632
Be 313.042	0.0646	ppb	0.0189	29.2	-216.676	0.06459
Ca 370.602	0.2733	ppb	1.918	701.7	-1.974	0.27332
Cd 226.502	-0.0647	ppb	0.0721	111.5	25.6897	-0.06468
Co 228.615	0.5032	ppb	0.0862	17.1	-7.4143	0.50317
Cr 267.716	0.0912	ppb	0.2030	222.6	-30.5551	0.09117
Cu 324.754	0.3062	ppb	0.3996	130.5	160.696	0.30617
Fe 271.441	2.4312	ppb	4.3551	179.1	92.6672	2.43124
K 766.491	1.8760	ppb	0.0711	3.8	254.510	1.87601
Mg 279.078	1.8899	ppb	0.4969	26.3	34.5451	1.88993
Mn 257.610	0.2023	ppb	0.0430	21.2	83.8968	0.20228
Mo 202.032	1.9222	ppb	0.6726	35.0	27.9072	1.92220
Na 330.237	89.1828	ppb	100.946	113.2	65.3543	89.18280
Ni 231.604	0.8667	ppb	0.9769	112.7	-5.0009	0.86665
Pb 220.353	1.3628	ppb	2.2587	165.7	37.1491	1.36280
Sb 206.834	5.1061	ppb	1.1221	22.0	6.0652	5.10615
Se 196.026	7.8007	ppb	6.3725	81.7	13.1760	7.80067
Sn 189.925	-0.7902	ppb	0.6537	82.7	-8.1894	-0.79017
Sr 216.596	0.2355	ppb	0.1718	72.9	25.6393	0.23555
Ti 334.941	0.5186	ppb	0.0769	14.8	63.2389	0.51864
Tl 190.794	4.1341	ppb	0.7263	17.6	-12.0344	4.13411
V 292.401	0.2442	ppb	0.0784	32.1	-4.7160	0.24424
Zn 206.200	-0.6261	ppb	0.3845	61.4	320.8516	-0.62608

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Initial Calib Verif (ICV)		4/24/2013, 1:23:38 PM		Rack S, Tube 3		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	975.723	970.740	949.282			
Al 308.215	947.122	949.582	939.399			
As 188.980	961.743	949.573	939.064			
B 249.678	977.195	977.314	972.625			
Ba 389.178	1025.58	1017.38	1012.39			
Be 313.042	1031.26x	1023.45x	1014.79x			
Ca 370.602	1015	1010	1001			
Cd 226.502	1030.22x	1023.90x	1012.44x			
Co 228.615	984.692	992.879	958.493			
Cr 267.716	1021.49	1013.73	1005.14			
Cu 324.754	1018.76	1021.36	996.522			
Fe 271.441	957.538	957.500	947.642			
K 766.491	9826.62	9836.75	9765.26			
Mg 279.078	999.368	993.206	983.853			
Mn 257.610	1052.61	1047.00	1037.85			
Mo 202.032	994.223	989.427	985.158			
Na 330.237	9432.65	9515.36	9488.92			
Ni 231.604	1033.07	1020.32	1005.77			
Pb 220.353	994.670	983.704	974.448			
Sb 206.834	982.389	975.506	968.339			
Se 196.026	979.314	964.418	957.133			
Sn 189.925	4926.92	4890.25	4794.60			
Sr 216.596	5012.49x	4977.19	4932.39			
Ti 334.941	971.176	964.869	958.196			
Tl 190.794	1012.71	986.518	993.850			
V 292.401	986.587	982.292	973.014			
Zn 206.200	1016.93	1006.56	1000.68			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value	
Ag 328.068	965.248b	ppb	14.0503	1.5	73110.1	96.52485	
Al 308.215	945.368b	ppb	5.3132	0.6	2181.40	94.53679	
As 188.980	950.127b	ppb	11.3496	1.2	621.979	95.01266	
B 249.678	975.711b	ppb	2.6736	0.3	12290.8	97.57114	
Ba 389.178	1018.45b	ppb	6.6620	0.7	21637.0	101.84529	
Be 313.042	1023.17xb	ppb	8.2378	0.8	1839595	102.31688	
Ca 370.602	1009b	ppb	7.039	0.7	2916	100.85804	
Cd 226.502	1022.19xb	ppb	9.0111	0.9	35509.8	102.21859	
Co 228.615	978.688b	ppb	17.9621	1.8	9781.56	97.86884	
Cr 267.716	1013.45b	ppb	8.1792	0.8	32362.1	101.34547	
Cu 324.754	1012.22b	ppb	13.6541	1.3	54640.4	101.22165	
Fe 271.441	954.226b	ppb	5.7022	0.6	1864.81	95.42265	
K 766.491	9809.54b	ppb	38.6813	0.4	307700	98.09544	
Mg 279.078	992.142b	ppb	7.8122	0.8	2107.84	99.21425	
Mn 257.610	1045.82b	ppb	7.4458	0.7	249479	104.58195	
Mo 202.032	989.603b	ppb	4.5349	0.5	7155.35	98.96027	
Na 330.237	9478.98b	ppb	42.2403	0.4	515.659	94.78976	
Ni 231.604	1019.72b	ppb	13.6595	1.3	2713.54	101.97211	
Pb 220.353	984.274b	ppb	10.1229	1.0	1514.63	98.42741	
Sb 206.834	975.411b	ppb	7.0253	0.7	1080.56	97.54113	
Se 196.026	966.955b	ppb	11.3064	1.2	492.888	96.69548	
Sn 189.925	4870.59b	ppb	68.3138	1.4	3587.71	97.41182	
Sr 216.596	4974.03xb	ppb	40.1451	0.8	49115.0	99.48054	
Ti 334.941	964.747b	ppb	6.4906	0.7	246669	96.47470	
Tl 190.794	997.693b	ppb	13.5129	1.4	942.423	99.76930	
V 292.401	980.631b	ppb	6.9372	0.7	26026.9	98.06309	
Zn 206.200	1008.06b	ppb	8.2263	0.8f	323	1394.49	100.80586

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Initial Calib Blank (ICB)		4/24/2013, 1:27:12 PM		Rack S, Tube 1		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	0.1392	-0.3015u	0.0058			
Al 308.215	-1.8112u	0.7802	-7.1156u			
As 188.980	4.9069	5.0841	2.3112			
B 249.678	45.8588	41.6649	39.0274			
Ba 389.178	0.9246	0.2631	-0.0408u			
Be 313.042	0.0647	0.0549	0.0552			
Ca 370.602	-2.530u	2.358	4.325			
Cd 226.502	-0.0673u	-0.0923u	-0.0016u			
Co 228.615	0.4194	1.5761	0.9016			
Cr 267.716	0.3433	0.3439	0.3153			
Cu 324.754	0.2630	0.1279	-0.2478u			
Fe 271.441	0.6225	-2.9787u	-0.6907u			
K 766.491	1.3074	0.5832	1.0819			
Mg 279.078	0.2514	1.3199	2.1181			
Mn 257.610	0.0572	0.0586	0.0891			
Mo 202.032	1.9505	1.6792	2.0555			
Na 330.237	79.6447	-116.265u	-157.385u			
Ni 231.604	0.5548	0.5400	-1.0063u			
Pb 220.353	-2.0825u	0.9057	-2.6705u			
Sb 206.834	5.8405	3.0813	2.2736			
Se 196.026	-0.7927u	3.8003	4.8582			
Sn 189.925	1.1668	0.0311	-0.6210u			
Sr 216.596	-0.1418u	-0.2323u	0.6079			
Ti 334.941	0.5645	0.4958	0.4376			
Tl 190.794	8.1797	6.7091	6.2004			
V 292.401	0.3783	-0.1361u	0.1121			
Zn 206.200	-1.1194u	-0.2756u	-1.1645u			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0521	ppb	0.2260	433.3	-43.2900	-0.05215
Al 308.215	-2.7155	ppb	4.0248	148.2	-35.6408	-2.71554
As 188.980	4.1008	ppb	1.5523	37.9	-7.7291	4.10075
B 249.678	42.1837	ppb	3.4451	8.2	631.868	42.18366
Ba 389.178	0.3823	ppb	0.4936	129.1	-22.5777	0.38231
Be 313.042	0.0583	ppb	0.0055	9.5	-228.018	0.05826
Ca 370.602	1.384	ppb	3.530	255.0	1.226	1.38434
Cd 226.502	-0.0537	ppb	0.0468	87.2	26.0656	-0.05372
Co 228.615	0.9657	ppb	0.5810	60.2	-2.7831	0.96570
Cr 267.716	0.3342	ppb	0.0163	4.9	-22.7872	0.33418
Cu 324.754	0.0477	ppb	0.2647	554.8	146.786	0.04771
Fe 271.441	-1.0156	ppb	1.8224	179.4	86.8013	-1.01564
K 766.491	0.9908	ppb	0.3706	37.4	226.762	0.99082
Mg 279.078	1.2298	ppb	0.9366	76.2	33.1550	1.22978
Mn 257.610	0.0683	ppb	0.0180	26.4	51.9305	0.06829
Mo 202.032	1.8951	ppb	0.1942	10.2	27.7116	1.89506
Na 330.237	-64.6684	ppb	126.659	195.9	57.7359	-64.66843
Ni 231.604	0.0295	ppb	0.8971	3041.4	-7.2347	0.02950
Pb 220.353	-1.2824	ppb	1.9176	149.5	33.1683	-1.28244
Sb 206.834	3.7318	ppb	1.8703	50.1	4.5516	3.73179
Se 196.026	2.6219	ppb	3.0041	114.6	10.5873	2.62192
Sn 189.925	0.1923	ppb	0.9047	470.4	-7.4642	0.19232
Sr 216.596	0.0779	ppb	0.4612	591.9	24.0892	0.07793
Ti 334.941	0.4993	ppb	0.0635	12.7	58.2972	0.49928
Tl 190.794	7.0297	ppb	1.0279	14.6	-9.2499	7.02970
V 292.401	0.1181	ppb	0.2572	217.8	-8.0853	0.11808
Zn 206.200	-0.8532	ppb	0.5097	1058.6f	325	-0.85372

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

CRI (CRI)	4/24/2013, 1:30:47 PM			Rack S, Tube 4		
Weight: 1	Volume: 1			Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	10.1925	10.3989	10.5318			
Al 308.215	218.608	207.738	213.320			
As 188.980	20.6949	23.4492	23.1344			
B 249.678	121.658	120.309	117.530			
Ba 389.178	11.2335	10.7160	9.6512			
Be 313.042	4.3871	4.3323	4.3153			
Ca 370.602	520.4	506.6	509.1			
Cd 226.502	5.5355	5.1569	5.4708			
Co 228.615	11.2227	11.6027	10.9634			
Cr 267.716	10.8936	11.1131	11.0475			
Cu 324.754	22.0249	21.9135	21.2359			
Fe 271.441	55.3667	55.8213	56.8602			
K 766.491	1022.84	1014.49	1007.50			
Mg 279.078	523.132	518.090	517.683			
Mn 257.610	11.2829	11.1452	11.1889			
Mo 202.032	10.7620	10.4115	10.8533			
Na 330.237	1047.41	1073.59	829.605			
Ni 231.604	43.2372	42.3331	43.0485			
Pb 220.353	7.9371	7.0260	9.8540			
Sb 206.834	25.9164	25.2058	24.8428			
Se 196.026	21.9941	25.8224	23.2169			
Sn 189.925	52.7087	48.0633	53.8330			
Sr 216.596	10.3589	10.6760	10.4325			
Ti 334.941	10.3622	10.2569	10.1584			
Tl 190.794	27.4322	27.3439	21.6097			
V 292.401	10.8519	10.4022	10.2085			
Zn 206.200	22.9277	23.4974	22.7888			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.3744	ppb	0.1710	1.6	748.817	103.74410
Al 308.215	213.222	ppb	5.4356	2.5	459.428	106.61089
As 188.980	22.4262	ppb	1.5075	6.7	4.4760	112.13092
B 249.678	119.832	ppb	2.1051	1.8	1601.67	119.83221
Ba 389.178	10.5336	ppb	0.8068	7.7	194.671	105.33576
Be 313.042	4.3449	ppb	0.0375	0.9	7479.57	108.62234
Ca 370.602	512.0	ppb	7.369	1.4	1419	102.40324
Cd 226.502	5.3877	ppb	0.2025	3.8	215.109	107.75497
Co 228.615	11.2629	ppb	0.3215	2.9	100.304	112.62929
Cr 267.716	11.0181	ppb	0.1126	1.0	318.783	110.18082
Cu 324.754	21.7248	ppb	0.4270	2.0	1313.60	108.62376
Fe 271.441	56.0161	ppb	0.7656	1.4	185.144	112.03217
K 766.491	1014.94	ppb	7.6757	0.8	32011.5	101.49422
Mg 279.078	519.635	ppb	3.0353	0.6	1127.14	103.92698
Mn 257.610	11.2057	ppb	0.0704	0.6	2711.55	112.05682
Mo 202.032	10.6756	ppb	0.2332	2.2	91.0695	106.75578
Na 330.237	983.533	ppb	133.947	13.6	109.388	98.35329
Ni 231.604	42.8730	ppb	0.4769	1.1	107.082	107.18240
Pb 220.353	8.2724	ppb	1.4435	17.4	47.5282	82.72353
Sb 206.834	25.3217	ppb	0.5461	2.2	28.3579	126.60825R
Se 196.026	23.6778	ppb	1.9553	8.3	21.1154	118.38902
Sn 189.925	51.5350	ppb	3.0587	5.9	30.4358	103.06997
Sr 216.596	10.4891	ppb	0.1659	1.6	126.058	104.89146
Ti 334.941	10.2592	ppb	0.1019	1.0	2556.48	102.59180
Tl 190.794	25.4619	ppb	3.3364	13.1	8.4633	101.84776
V 292.401	10.4875	ppb	0.3301	3.1	267.565	104.87530
Zn 206.200	23.0713	ppb	0.3755	1.6	325.6350	115.35638

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Interf Check A (ICSA)		4/24/2013, 1:34:23 PM		Rack S, Tube 5		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	0.2741	-0.5104u	-0.1304u			
Al 308.215	581547	578367	585322			
As 188.980	-9.1478u	-8.3267u	4.8235			
B 249.678	8.3673u	5.2196u	4.5538u			
Ba 389.178	-0.1179	-2.1175	-1.5984			
Be 313.042	-0.0845	-0.0651	-0.0846			
Ca 370.602	503844	502119	508168			
Cd 226.502	0.7609	0.3059	0.2766			
Co 228.615	0.9244	1.3683	-0.0355u			
Cr 267.716	1.8015	1.7661	1.8973			
Cu 324.754	0.6168	0.2464	0.7834			
Fe 271.441	194548	192896	195109			
K 766.491	4.1246	5.9262	4.5052			
Mg 279.078	542242	538526	545983			
Mn 257.610	1.0439	0.8474	1.0168			
Mo 202.032	2.4967	2.1728	3.2623			
Na 330.237	-309.502u	-48.8163u	-507.771u			
Ni 231.604	4.8891	2.3113	6.2092			
Pb 220.353	-0.1182u	1.8769u	3.0844u			
Sb 206.834	7.3176	9.5108	8.5072			
Se 196.026	-5.1244u	-11.3258u	-7.3655u			
Sn 189.925	1.7273	-4.8971u	-4.5818u			
Sr 216.596	8.5860	8.2605	7.8701			
Ti 334.941	-0.0245	-0.0116	-0.0150			
Tl 190.794	-6.2422u	-2.6722u	-6.4402u			
V 292.401	1.2961	1.7138	1.5124			
Zn 206.200	-0.7957	2.2460	0.9143			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1222	ppb	0.3923	321.0	-56.5687	-0.12224
Al 308.215	581745	ppb	3482.05	0.6	1332663	-
As 188.980	-4.2170	ppb	7.8400	185.9	-10.8336	-4.21699
B 249.678	6.0469	ppb	2.0369	33.7	-61.1460	6.04688
Ba 389.178	-1.2779	ppb	1.0376	81.2	1497.84	-1.27792
Be 313.042	-0.0781	ppb	0.0112	14.4	-280.612	-0.07810
Ca 370.602	504710	ppb	3116	0.6	1389075	-
Cd 226.502	0.4478	ppb	0.2716	60.6	661.490	0.44779
Co 228.615	0.7524	ppb	0.7176	95.4	-10.4565	0.75241
Cr 267.716	1.8216	ppb	0.0679	3.7	58.8121	1.82165
Cu 324.754	0.5489	ppb	0.2749	50.1	235.570	0.54886
Fe 271.441	194184	ppb	1150.30	0.6	328969	-
K 766.491	4.8520	ppb	0.9495	19.6	347.800	4.85198
Mg 279.078	542250	ppb	3728.20	0.7	1144451	-
Mn 257.610	0.9694	ppb	0.1065	11.0	4084.30	0.96936
Mo 202.032	2.6440	ppb	0.5595	21.2	23.4352	2.64395
Na 330.237	-288.696	ppb	230.184	79.7	-9.6312	-288.69647
Ni 231.604	4.4699	ppb	1.9825	44.4	8.9054	4.46988
Pb 220.353	1.6143	ppb	1.6174	100.2	28.6704	1.61434
Sb 206.834	8.4452	ppb	1.0979	13.0	14.6253	8.44518
Se 196.026	-7.9386	ppb	3.1402	39.6	6.4617	-7.93858
Sn 189.925	-2.5839	ppb	3.7369	144.6	-9.3307	-2.58386
Sr 216.596	8.2389	ppb	0.3585	4.4	224.392	8.23888
Ti 334.941	-0.0170	ppb	0.0067	39.3	2209.91	-0.01701
Tl 190.794	-5.1182	ppb	2.1206	41.4	-30.5328	-5.11820
V 292.401	1.5074	ppb	0.2089	13.9	31.9694	1.50742
Zn 206.200	0.7882	ppb	1.5247	1093.45	325.2233	0.78821

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Interf Check AB (ICSAB)		4/24/2013, 1:37:59 PM		Rack S, Tube 6		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	215.952	231.846	232.975			
Al 308.215	563635	604205	570978			
As 188.980	109.437	114.197	115.560			
B 249.678	-1.2120u	-3.6071u	-3.4035u			
Ba 389.178	510.492	550.564	517.011			
Be 313.042	495.673	531.418	501.286			
Ca 370.602	491093	522408	505543			
Cd 226.502	981.090	1051.26	995.848			
Co 228.615	496.356	521.989	493.008			
Cr 267.716	506.164	541.135	512.143			
Cu 324.754	560.788	596.547	570.578			
Fe 271.441	188288	201107	190393			
K 766.491	2.2743	2.5559	0.4775			
Mg 279.078	528350	563511	534222			
Mn 257.610	505.135	540.547	511.239			
Mo 202.032	1051.86	1126.42	1073.84			
Na 330.237	-37.8525u	-497.844u	-257.234u			
Ni 231.604	965.656	1041.12	987.030			
Pb 220.353	45.1363	54.5983	47.5540			
Sb 206.834	627.185	666.019	646.681			
Se 196.026	40.5635	64.3748	24.9391			
Sn 189.925	1012.38	1077.44	1039.92			
Sr 216.596	8.6470	9.3517	10.0272			
Ti 334.941	-6.3876	-6.2692	-6.3093			
Tl 190.794	89.6141	88.7610	89.6294			
V 292.401	490.222	521.650	494.969			
Zn 206.200	932.448	997.233	958.833			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	226.924	ppb	9.5192	4.2	17205.7	113.46204
Al 308.215	579606	ppb	21617.5	3.7	1327816	115.92121
As 188.980	113.065	ppb	3.2146	2.8	66.9916	113.06474
B 249.678	-2.7409	ppb	1.3279	48.4	-169.619	-
Ba 389.178	526.022	ppb	21.5020	4.1	12714.1	105.20448
Be 313.042	509.459	ppb	19.2227	3.8	915915	101.89179
Ca 370.602	506348	ppb	15673	3.1	1393716	101.26958
Cd 226.502	1009.40	ppb	36.9972	3.7	35677.5	100.93998
Co 228.615	503.784	ppb	15.8540	3.1	4996.45	100.75688
Cr 267.716	519.814	ppb	18.7046	3.6	16612.6	103.96281
Cu 324.754	575.971	ppb	18.4797	3.2	31231.0	115.19425
Fe 271.441	193263	ppb	6874.41	3.6	327490	96.63127
K 766.491	1.7692	ppb	1.1275	63.7	251.163	-
Mg 279.078	542028	ppb	18835.6	3.5	1143973	108.40555
Mn 257.610	518.974	ppb	18.9308	3.6	127625	103.79475
Mo 202.032	1084.04	ppb	38.3147	3.5	7828.34	108.40392
Na 330.237	-264.310	ppb	230.077	87.0	-14.9722	-
Ni 231.604	997.936	ppb	38.8971	3.9	2659.66	99.79360
Pb 220.353	49.0962	ppb	4.9159	10.0	98.8289	98.19238
Sb 206.834	646.628	ppb	19.4170	3.0	711.358	107.77140
Se 196.026	43.2925	ppb	19.8590	45.9	32.1934	86.58492
Sn 189.925	1043.25	ppb	32.6565	3.1	762.669	104.32466
Sr 216.596	9.3420	ppb	0.6901	7.4	183.782	-
Ti 334.941	-6.3220	ppb	0.0602	1.0	594.730	-
Tl 190.794	89.3348	ppb	0.4970	0.6	59.6563	89.33482
V 292.401	502.280	ppb	16.9419	3.4	13210.5	100.45606
Zn 206.200	962.838	ppb	32.5780	104.345	325.18	96.28383

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

LRA1 (Samp)	4/24/2013, 1:41:46 PM			Rack S, Tube 7	
Weight: 1	Volume: 1			Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	0.1650	0.1648	0.1738		
Al 308.215	265.146	260.783	262.054		
As 188.980	19822.2x	19822.4x	19737.6x		
B 249.678	5378.46x	5386.63x	5413.95x		
Ba 389.178	-1.1689u	-1.2111u	-0.7465u		
Be 313.042	0.2383	0.2347	0.2359		
Ca 370.602	1818	1831	1826		
Cd 226.502	-1.1364u	-0.8931u	-1.0828u		
Co 228.615	11263.5	11202.7	11281.6		
Cr 267.716	9.0015	9.0390	8.9165		
Cu 324.754	-5.4683u	-5.7470u	-5.6748u		
Fe 271.441	-2.2460	-7.4727	-2.3828		
K 766.491	1.5550	1.8738	2.4278		
Mg 279.078	171.421u	165.761u	165.907u		
Mn 257.610	30430.8x	30183.4x	30272.2x		
Mo 202.032	1.7593	1.8086	1.6325		
Na 330.237	115779x	115372x	115400x		
Ni 231.604	11181.4x	11123.9x	11129.7x		
Pb 220.353	21309.4x	21185.1x	21147.9x		
Sb 206.834	16.0195	8.6506	12.6339		
Se 196.026	8.2379	7.7165	4.9979		
Sn 189.925	1.8464	4.9470	1.4922		
Sr 216.596	-4.8178u	-4.4599u	-4.1007u		
Ti 334.941	34183.1	34097.4	34094.8		
Tl 190.794	102.390	100.953	100.523		
V 292.401	-5.0669	-5.0354	-5.1705		
Zn 206.200	74.2503	73.0532	76.2491		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1679b	ppb	0.0052	3.1	115.669
Al 308.215	262.661b	ppb	2.2442	0.9	572.193
As 188.980	19794.1xb	ppb	48.9046	0.2	13171.1
B 249.678	5393.01xb	ppb	18.5820	0.3	67465.2
Ba 389.178	-1.0422b	ppb	0.2569	24.7	-51.8223
Be 313.042	0.2363b	ppb	0.0018	0.8	62.0037
Ca 370.602	1825b	ppb	6.758	0.4	11246
Cd 226.502	-1.0374b	ppb	0.1278	12.3	-5.4823
Co 228.615	11249.2b	ppb	41.3533	0.4	113411
Cr 267.716	8.9857b	ppb	0.0628	0.7	385.933
Cu 324.754	-5.6300b	ppb	0.1447	2.6	-158.848
Fe 271.441	-4.0339b	ppb	2.9789	73.8	1810.95
K 766.491	1.9522b	ppb	0.4417	22.6	256.899
Mg 279.078	167.696b	ppb	3.2268	1.9	-101.356
Mn 257.610	30295.5xb	ppb	125.340	0.4	7225679
Mo 202.032	1.7334b	ppb	0.0909	5.2	26.4710
Na 330.237	115517xb	ppb	227.535	0.2	5526.63
Ni 231.604	11145.0xb	ppb	31.6670	0.3	29729.8
Pb 220.353	21214.1xb	ppb	84.6044	0.4	31947.4
Sb 206.834	12.4347b	ppb	3.6885	29.7	14.1766
Se 196.026	6.9841b	ppb	1.7397	24.9	20.3446
Sn 189.925	2.7619b	ppb	1.9007	68.8	-5.5320
Sr 216.596	-4.4595b	ppb	0.3586	8.0	-193.728
Ti 334.941	34125.1b	ppb	50.2504	0.1	8727452
Tl 190.794	101.289b	ppb	0.9778	1.0	44.3928
V 292.401	-5.0909b	ppb	0.0707	1.4	375.959
Zn 206.200	74.5175b	ppb	1.6147	105.22	105.051

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

LRA2 (Samp)	4/24/2013, 1:45:24 PM			Rack S, Tube 8	
Weight: 1	Volume: 1			Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	-0.5058u	-1.0201u	-0.8872u		
Al 308.215	974381x	984502x	981077x		
As 188.980	107.421	94.8536	76.1838		
B 249.678	152.724	127.220	108.992		
Ba 389.178	7.1004	4.1733	4.9960		
Be 313.042	-0.0732	-0.0779	-0.0704		
Ca 370.602	814509	819366	818768		
Cd 226.502	0.9433	1.3569	0.6367		
Co 228.615	12.2631	14.3048	14.5272		
Cr 267.716	9.0465	9.4444	8.2348		
Cu 324.754	-3.5224	-3.4866	-3.2706		
Fe 271.441	933690	934198	929990		
K 766.491	459958x	462050x	460426x		
Mg 279.078	878003x	881064x	881191x		
Mn 257.610	24.5768	24.4491	24.0250		
Mo 202.032	4.9499u	6.8411	3.9395u		
Na 330.237	-905.762u	-998.191u	-780.592u		
Ni 231.604	11.7554	14.2365	14.8464		
Pb 220.353	3.9121u	16.6176	-6.5541u		
Sb 206.834	1.3284	-4.8330	12.0830		
Se 196.026	-17.9460u	-10.1404	-26.5450u		
Sn 189.925	3.5107	-8.4615u	-2.1996u		
Sr 216.596	39.0030	38.6900	40.2599		
Ti 334.941	19.3110	17.7724	16.2632		
Tl 190.794	-31.7103u	-36.9735u	-28.3141u		
V 292.401	7.2367	7.2847	6.8861		
Zn 206.200	29317.8	29433.2	29481.6		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8043b	ppb	0.2670	33.2	-117.393
Al 308.215	979987xb	ppb	5147.51	0.5	2244976
As 188.980	92.8195b	ppb	15.7176	16.9	48.3939
B 249.678	129.645b	ppb	21.9665	16.9	562.965
Ba 389.178	5.4232b	ppb	1.5096	27.8	3413.94
Be 313.042	-0.0738b	ppb	0.0038	5.1	-185.245
Ca 370.602	817548b	ppb	2648	0.3	2206104
Cd 226.502	0.9790b	ppb	0.3614	36.9	3014.39
Co 228.615	13.6984b	ppb	1.2479	9.1	98.1473
Cr 267.716	8.9085b	ppb	0.6165	6.9	403.595
Cu 324.754	-3.4266b	ppb	0.1362	4.0	257.163
Fe 271.441	932626b	ppb	2296.74	0.2	1579633
K 766.491	460811xb	ppb	1097.95	0.2	14445444
Mg 279.078	880086xb	ppb	1804.82	0.2	1857556
Mn 257.610	24.3503b	ppb	0.2889	1.2	13784.5
Mo 202.032	5.2435b	ppb	1.4729	28.1	5.3097
Na 330.237	-894.848b	ppb	109.210	12.2	-464.932
Ni 231.604	13.6128b	ppb	1.6372	12.0	49.0454
Pb 220.353	4.6585b	ppb	11.6039	249.1	27.2450
Sb 206.834	2.8595b	ppb	8.5613	299.4	27.1007
Se 196.026	-18.2104b	ppb	8.2055	45.1	5.7150
Sn 189.925	-2.3835b	ppb	5.9882	251.2	-9.0886
Sr 216.596	39.3176b	ppb	0.8309	2.1	836.899
Ti 334.941	17.7822b	ppb	1.5239	8.6	8250.18
Tl 190.794	-32.3326b	ppb	4.3631	13.5	-93.2462
V 292.401	7.1358b	ppb	0.2176	3.0	184.291
Zn 206.200	29410.9b	ppb	84.1553	0.3	40913.7

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

RINSE (Samp)	4/24/2013, 1:50:29 PM		Rack S, Tube 1
Weight: 1	Volume: 1		Dilution: 1
Label	Replicates	Concentration	
Ag 328.068	-0.1982u	-0.3914u	0.0790
Al 308.215	34.3711	48.0618	46.8008
As 188.980	22.4562	17.4536	16.5856
B 249.678	52.9259	50.2005	52.2285
Ba 389.178	0.1290	0.4721	-0.3332u
Be 313.042	0.0471	0.0481	0.0411
Ca 370.602	34.51	51.53	50.27
Cd 226.502	-0.0278u	-0.2242u	-0.0891u
Co 228.615	-0.3370u	0.5734	0.5967
Cr 267.716	0.6255	0.3706	0.4268
Cu 324.754	0.2056	-0.4193u	0.3714
Fe 271.441	49.8661	69.1884	62.7792
K 766.491	15.4378	21.4937	23.1076
Mg 279.078	32.8037	48.4565	48.0437
Mn 257.610	0.2456	0.3277	0.3593
Mo 202.032	0.2760	0.2359	0.5084
Na 330.237	72.3359	-62.4303u	14.7451
Ni 231.604	-0.4861u	-0.7610u	0.7460
Pb 220.353	-2.7670u	-5.3114u	0.8596
Sb 206.834	0.5173	3.9718	1.5259
Se 196.026	-2.4835u	-3.7007u	1.5250
Sn 189.925	0.4548	1.8719	-3.3511u
Sr 216.596	0.5272	0.0645	0.0088
Ti 334.941	1.8605	1.7304	1.8048
Tl 190.794	5.0919	2.6090	2.0841
V 292.401	0.2940	0.4374	0.0707
Zn 206.200	0.8299	1.5895	0.7664

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1702	ppb	0.2364	138.9	-52.2493
Al 308.215	43.0779	ppb	7.5666	17.6	69.1870
As 188.980	18.8318	ppb	3.1687	16.8	2.0810
B 249.678	51.7849	ppb	1.4158	2.7	751.718
Ba 389.178	0.0893	ppb	0.4041	452.5	-28.6369
Be 313.042	0.0454	ppb	0.0038	8.3	-250.850
Ca 370.602	45.43	ppb	9.486	20.9	119.6
Cd 226.502	-0.1137	ppb	0.1005	88.4	24.1734
Co 228.615	0.2777	ppb	0.5325	191.8	-9.6021
Cr 267.716	0.4743	ppb	0.1339	28.2	-18.2948
Cu 324.754	0.0526	ppb	0.4170	793.4	147.021
Fe 271.441	60.6113	ppb	9.8419	16.2	191.145
K 766.491	20.0130	ppb	4.0436	20.2	823.060
Mg 279.078	43.1013	ppb	8.9203	20.7	121.529
Mn 257.610	0.3109	ppb	0.0587	18.9	110.203
Mo 202.032	0.3401	ppb	0.1471	43.2	16.4844
Na 330.237	8.2169	ppb	67.6199	822.9	61.3043
Ni 231.604	-0.1671	ppb	0.8025	480.4	-7.7579
Pb 220.353	-2.4063	ppb	3.1013	128.9	31.4775
Sb 206.834	2.0050	ppb	1.7764	88.6	2.6741
Se 196.026	-1.5531	ppb	2.7342	176.1	8.5008
Sn 189.925	-0.3415	ppb	2.7010	791.0	-7.8582
Sr 216.596	0.2002	ppb	0.2846	142.2	25.3742
Ti 334.941	1.7985	ppb	0.0653	3.6	390.758
Tl 190.794	3.2617	ppb	1.6066	49.3	-12.8760
V 292.401	0.2674	ppb	0.1848	69.1	-3.7914
Zn 206.200	1.0619	ppb	0.4580	1043.65	325.2008

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Cont Calib Verif (CCV)		4/24/2013, 1:55:23 PM		Rack 1, Tube 1		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	471.616	472.332	470.538			
Al 308.215	4774.15	4759.52	4724.71			
As 188.980	465.755	465.566	453.117			
B 249.678	510.298	512.909	511.966			
Ba 389.178	5000.18	4975.86	4974.26			
Be 313.042	499.602	500.262	498.822			
Ca 370.602	4814	4797	4772			
Cd 226.502	502.538	499.821	499.437			
Co 228.615	505.095	503.678	502.951			
Cr 267.716	5046.63	5021.98	4996.20			
Cu 324.754	5002.23	4919.41	4966.36			
Fe 271.441	4796.25	4784.03	4781.12			
K 766.491	9740.52	9736.96	9739.79			
Mg 279.078	4809.05	4785.89	4772.16			
Mn 257.610	5064.08	5045.19	5035.79			
Mo 202.032	483.231	483.358	480.225			
Na 330.237	7268.92	7202.24	7053.26			
Ni 231.604	2536.46	2522.96	2518.30			
Pb 220.353	484.955	479.305	477.391			
Sb 206.834	912.893	910.650	915.895			
Se 196.026	4834.15	4817.29	4809.01			
Sn 189.925	4910.50	4905.99	4865.06			
Sr 216.596	2454.09	2435.29	2434.47			
Ti 334.941	483.732	481.962	481.039			
Tl 190.794	4911.86	4886.16	4877.59			
V 292.401	4809.61	4791.02	4792.84			
Zn 206.200	2520.10	2500.00	2497.76			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	471.495	ppb	0.9031	0.2	35739.4	94.29907
Al 308.215	4752.79	ppb	25.3982	0.5	10849.7	95.05588
As 188.980	461.479	ppb	7.2425	1.6	296.709	92.29585
B 249.678	511.724	ppb	1.3224	0.3	6490.65	20.46897Q
Ba 389.178	4983.43	ppb	14.5280	0.3	105972	99.66868
Be 313.042	499.562	ppb	0.7212	0.1	897862	99.91241
Ca 370.602	4794	ppb	21.28	0.4	13221	95.88480
Cd 226.502	500.599	ppb	1.6902	0.3	17418.3	100.11971
Co 228.615	503.908	ppb	1.0901	0.2	5041.78	100.78155
Cr 267.716	5021.60	ppb	25.2142	0.5	160508	100.43207
Cu 324.754	4962.67	ppb	41.5334	0.8	267198	99.25341
Fe 271.441	4787.13	ppb	8.0267	0.2	8318.14	95.74261
K 766.491	9739.09	ppb	1.8810	0.0	305491	97.39090
Mg 279.078	4789.03	ppb	18.6420	0.4	10057.4	95.78069
Mn 257.610	5048.36	ppb	14.4056	0.3	1204140	100.96712
Mo 202.032	482.271	ppb	1.7731	0.4	3485.95	96.45427
Na 330.237	7174.81	ppb	110.413	1.5	393.369	95.66409
Ni 231.604	2525.91	ppb	9.4315	0.4	6732.44	101.03640
Pb 220.353	480.551	ppb	3.9325	0.8	758.254	96.11012
Sb 206.834	913.146	ppb	2.6315	0.3	1058.04	91.31464
Se 196.026	4820.15	ppb	12.8129	0.3	2419.98	96.40303
Sn 189.925	4893.85	ppb	25.0317	0.5	3604.88	97.87703
Sr 216.596	2441.28	ppb	11.0986	0.5	24088.6	97.65131
Ti 334.941	482.244	ppb	1.3682	0.3	123285	96.44888
Tl 190.794	4891.87	ppb	17.8324	0.4	4683.12	97.83740
V 292.401	4797.82	ppb	10.2495	0.2	128145	95.95641
Zn 206.200	2505.95	ppb	12.3056	0.5	3457.80	100.23818

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Cont Calib Blank (CCB)		4/24/2013, 2:00:27 PM		Rack 1, Tube 2		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	0.0717	-0.0497u	-0.0295u			
Al 308.215	2.1956	-0.6114u	2.4392			
As 188.980	8.8559	7.0432	7.3113			
B 249.678	26.5870	24.1975	23.3957			
Ba 389.178	-0.3937u	0.1262	1.2158			
Be 313.042	-0.0087u	0.0034	0.0009			
Ca 370.602	3.771	1.119	0.7122			
Cd 226.502	-0.0530u	-0.0976u	-0.0234u			
Co 228.615	0.4216	0.5470	0.4759			
Cr 267.716	0.2223	0.3658	0.3324			
Cu 324.754	0.1158	0.1573	-0.0752u			
Fe 271.441	0.1745	-3.7087u	1.5031			
K 766.491	-0.1373u	-0.3535u	0.0041			
Mg 279.078	1.8834	3.4115	2.0526			
Mn 257.610	0.0449	-0.0213u	0.0133			
Mo 202.032	-0.3254u	0.0258	0.2136			
Na 330.237	172.727	-214.247u	-56.0692u			
Ni 231.604	0.5422	0.0884	-0.0332u			
Pb 220.353	0.8170	-4.0908u	-0.7519u			
Sb 206.834	2.5803	4.3662	6.7159			
Se 196.026	-0.8081u	-0.3489u	-1.5242u			
Sn 189.925	-1.9362u	-1.0039u	-4.5604u			
Sr 216.596	-0.2767u	-0.2150u	-0.1149u			
Ti 334.941	0.3524	0.3733	0.3207			
Tl 190.794	3.7927	4.7318	2.1677			
V 292.401	0.0326	0.0924	-0.1833u			
Zn 206.200	-1.1364u	-1.5887u	-1.9491u			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0025	ppb	0.0650	2574.8	-39.4992	-0.00253
Al 308.215	1.3412	ppb	1.6953	126.4	-26.4361	1.34115
As 188.980	7.7368	ppb	0.9784	12.6	-5.3072	7.73678
B 249.678	24.7268	ppb	1.6601	6.7	413.824	24.72675
Ba 389.178	0.3161	ppb	0.8214	259.8	-23.9920	0.31611
Be 313.042	-0.0015	ppb	0.0064	440.9	-335.165	-0.00145
Ca 370.602	1.868	ppb	1.661	88.9	2.631	1.86750
Cd 226.502	-0.0580	ppb	0.0374	64.5	25.9137	-0.05798
Co 228.615	0.4815	ppb	0.0629	13.1	-7.5848	0.48149
Cr 267.716	0.3068	ppb	0.0751	24.5	-23.6617	0.30680
Cu 324.754	0.0660	ppb	0.1240	188.0	147.719	0.06595
Fe 271.441	-0.6770	ppb	2.7083	400.0	87.4116	-0.67703
K 766.491	-0.1622	ppb	0.1801	111.0	190.618	-0.16221
Mg 279.078	2.4492	ppb	0.8377	34.2	35.7288	2.44917
Mn 257.610	0.0123	ppb	0.0331	269.2	38.5804	0.01230
Mo 202.032	-0.0286	ppb	0.2736	955.2	13.8262	-0.02864
Na 330.237	-32.5295	ppb	194.558	598.1	59.3336	-32.52951
Ni 231.604	0.1991	ppb	0.3033	152.3	-6.7821	0.19911
Pb 220.353	-1.3419	ppb	2.5065	186.8	33.0807	-1.34192
Sb 206.834	4.5541	ppb	2.0742	45.5	5.4811	4.55414
Se 196.026	-0.8937	ppb	0.5923	66.3	8.8299	-0.89373
Sn 189.925	-2.5001	ppb	1.8441	73.8	-9.4517	-2.50015
Sr 216.596	-0.2022	ppb	0.0817	40.4	21.3676	-0.20219
Ti 334.941	0.3488	ppb	0.0265	7.6	19.8088	0.34878
Tl 190.794	3.5641	ppb	1.2973	36.4	-12.5816	3.56409
V 292.401	-0.0194	ppb	0.1451	746.3	-11.4436	-0.01944
Zn 206.200	-1.5581	ppb	0.4072	Page 1036.0f	325	-1.55805

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

mb 680-274117/1-a (Samp)		4/24/2013, 2:05:22 PM		Rack 1, Tube 3		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	0.0411	0.1760	-0.0075u			
Al 308.215	-1.2200u	6.1024	-1.3173u			
As 188.980	-0.2753u	1.1518	1.6480			
B 249.678	14.8221	13.6955	14.2099			
Ba 389.178	-0.1445u	0.9837	0.1023			
Be 313.042	0.0081	0.0105	0.0057			
Ca 370.602	0.9654	0.0674u	-2.560u			
Cd 226.502	-0.3329u	-0.3431u	-0.1649u			
Co 228.615	0.4736	0.1651	-0.3661u			
Cr 267.716	0.1537	0.4740	0.4175			
Cu 324.754	0.2478	-0.1919u	-0.1639u			
Fe 271.441	5.6338	6.7756	3.0322			
K 766.491	-0.3148u	-0.3860u	0.1392			
Mg 279.078	5.0030	4.8397	3.8140			
Mn 257.610	0.0920	0.0449	0.0246			
Mo 202.032	-0.0046u	-0.2033u	0.3133			
Na 330.237	133.143	105.461	5.5034			
Ni 231.604	1.5603	0.0657	1.0687			
Pb 220.353	-0.4192u	-1.7718u	0.3001			
Sb 206.834	6.1590	5.0337	3.3543			
Se 196.026	-0.8813u	-3.1611u	-2.0222u			
Sn 189.925	-1.7117u	-4.4917u	0.3461			
Sr 216.596	-0.0451u	-0.4962u	-0.1333u			
Ti 334.941	0.1991	0.2467	0.1690			
Tl 190.794	1.3056	3.0875	2.8213			
V 292.401	0.2014	0.2050	0.1869			
Zn 206.200	-2.1307u	-0.6973u	-0.3593u			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	0.0698	ppb	0.0951	136.1	-34.0145	
Al 308.215	1.1884	ppb	4.2560	358.1	-26.7825	
As 188.980	0.8415	ppb	0.9985	118.7	-9.8991	
B 249.678	14.2425	ppb	0.5640	4.0	282.863	
Ba 389.178	0.3138	ppb	0.5931	189.0	-24.0264	
Be 313.042	0.0081	ppb	0.0024	29.3	-318.018	
Ca 370.602	-0.5092	ppb	1.832	359.8	-4.449	
Cd 226.502	-0.2803	ppb	0.1001	35.7	18.2167	
Co 228.615	0.0908	ppb	0.4247	467.6	-11.5024	
Cr 267.716	0.3484	ppb	0.1709	49.1	-22.3290	
Cu 324.754	-0.0360	ppb	0.2462	684.6	142.236	
Fe 271.441	5.1472	ppb	1.9185	37.3	97.2198	
K 766.491	-0.1872	ppb	0.2849	152.2	189.834	
Mg 279.078	4.5522	ppb	0.6445	14.2	40.1688	
Mn 257.610	0.0538	ppb	0.0346	64.2	48.5192	
Mo 202.032	0.0351	ppb	0.2606	741.5	14.2859	
Na 330.237	81.3690	ppb	67.1436	82.5	64.9715	
Ni 231.604	0.8982	ppb	0.7618	84.8	-4.9166	
Pb 220.353	-0.6303	ppb	1.0519	166.9	34.1517	
Sb 206.834	4.8490	ppb	1.4114	29.1	5.8061	
Se 196.026	-2.0216	ppb	1.1399	56.4	8.2662	
Sn 189.925	-1.9524	ppb	2.4279	124.4	-9.0473	
Sr 216.596	-0.2249	ppb	0.2391	106.3	21.1414	
Ti 334.941	0.2049	ppb	0.0392	19.1	-16.9788	
Tl 190.794	2.4048	ppb	0.9612	40.0	-13.6968	
V 292.401	0.1978	ppb	0.0096	4.9	-5.6553	
Zn 206.200	-1.0624	ppb	0.9404	1188.5f	325	-0.2485

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Ics 680-274117/3-a (Samp)		4/24/2013, 2:10:16 PM		Rack 1, Tube 4	
Weight: 1		Volume: 1		Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	296.001	303.673	254.712		
Al 308.215	4002.58	4046.86	3565.90		
As 188.980	402.871	407.327	363.747		
B 249.678	731.496	749.331	661.457		
Ba 389.178	383.814	388.752	341.874		
Be 313.042	386.234	393.536	346.377		
Ca 370.602	36833	37483	33100		
Cd 226.502	391.097	399.693	351.180		
Co 228.615	390.062	402.772	344.538		
Cr 267.716	394.265	400.037	352.602		
Cu 324.754	394.794	404.849	344.389		
Fe 271.441	37265.5	37952.9	33397.7		
K 766.491	39647.0x	40311.3x	35598.9		
Mg 279.078	37774.5	38387.5	33869.2		
Mn 257.610	3949.51	4026.33	3539.93		
Mo 202.032	380.290	385.940	342.157		
Na 330.237	34429.9	34863.5	31176.8		
Ni 231.604	388.768	393.674	351.183		
Pb 220.353	371.600	380.566	334.913		
Sb 206.834	375.338	389.010	338.974		
Se 196.026	376.064	373.893	340.474		
Sn 189.925	369.637	376.326	342.980		
Sr 216.596	381.066	388.992	341.815		
Ti 334.941	372.708	378.879	332.646		
Tl 190.794	81.7671	86.3127	73.6025		
V 292.401	376.969	384.965	337.944		
Zn 206.200	376.628	383.236	347.077		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	284.796b	ppb	26.3339	9.2	21609.1
Al 308.215	3871.78b	ppb	265.822	6.9	8856.99
As 188.980	391.315b	ppb	23.9783	6.1	249.954
B 249.678	714.095b	ppb	46.4495	6.5	8979.40
Ba 389.178	371.480b	ppb	25.7585	6.9	8006.34
Be 313.042	375.383b	ppb	25.3834	6.8	674707
Ca 370.602	35805b	ppb	2365	6.6	97104
Cd 226.502	380.657b	ppb	25.8871	6.8	13354.3
Co 228.615	379.124b	ppb	30.6189	8.1	3781.56
Cr 267.716	382.301b	ppb	25.8821	6.8	12203.0
Cu 324.754	381.344b	ppb	32.3969	8.5	20686.5
Fe 271.441	36205.4b	ppb	2455.69	6.8	61469.6
K 766.491	38519.0xb	ppb	2550.68	6.6	1207669
Mg 279.078	36677.0b	ppb	2450.93	6.7	77389.8
Mn 257.610	3838.59b	ppb	261.484	6.8	915884
Mo 202.032	369.462b	ppb	23.8154	6.4	2678.41
Na 330.237	33490.1b	ppb	2015.03	6.0	1703.69
Ni 231.604	377.875b	ppb	23.2460	6.2	1001.70
Pb 220.353	362.360b	ppb	24.1884	6.7	580.396
Sb 206.834	367.774b	ppb	25.8613	7.0	408.275
Se 196.026	363.477b	ppb	19.9507	5.5	192.139
Sn 189.925	362.981b	ppb	17.6416	4.9	260.359
Sr 216.596	370.624b	ppb	25.2624	6.8	3683.71
Ti 334.941	361.411b	ppb	25.1016	6.9	92514.5
Tl 190.794	80.5608b	ppb	6.4404	8.0	54.4756
V 292.401	366.626b	ppb	25.1587	6.9	9723.97
Zn 206.200	368.980b	ppb	19.2546	5.2	329.306

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

lb 680-273792/11-e (Samp)		4/24/2013, 2:15:11 PM		Rack 1, Tube 5		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	0.2045	0.2053	0.0306			
Al 308.215	-1.4103u	4.2238	5.5628			
As 188.980	8.5831	4.5022	-6.7505u			
B 249.678	31.0901	29.3642	27.7508			
Ba 389.178	0.4659	0.5814	0.4744			
Be 313.042	0.0404	0.0268	0.0345			
Ca 370.602	91.50	95.58	93.20			
Cd 226.502	0.1087	0.0044u	-0.1951u			
Co 228.615	-0.3138u	-0.0331u	0.5479			
Cr 267.716	0.2207	0.3427	0.0778			
Cu 324.754	0.2184	0.1790	0.2659			
Fe 271.441	9.0846	9.4081	0.0300			
K 766.491	37.1251	37.7148	36.0108			
Mg 279.078	22.2367	21.6659	25.0922			
Mn 257.610	0.5867	0.5977	0.5692			
Mo 202.032	0.1140	0.1978	0.2327			
Na 330.237	119184x	120341x	118429x			
Ni 231.604	1.2930	2.4404	-0.7475u			
Pb 220.353	2.1127	0.4975	-0.2941u			
Sb 206.834	3.9314	4.9087	3.3228			
Se 196.026	1.8718	0.0077	1.6938			
Sn 189.925	-2.0040u	-3.8033u	-5.2229u			
Sr 216.596	0.3402	-0.4680u	0.4390			
Ti 334.941	0.1938	0.2925	0.2139			
Tl 190.794	0.4939	1.6163	2.6333			
V 292.401	-0.1761u	0.3946	0.1299			
Zn 206.200	-0.1694u	-0.8175u	0.2953			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1468b	ppb	0.1006	68.5	-28.1604
Al 308.215	2.7921b	ppb	3.7005	132.5	-23.0999
As 188.980	2.1116b	ppb	7.9414	376.1	-9.0525
B 249.678	29.4017b	ppb	1.6699	5.7	472.209
Ba 389.178	0.5072b	ppb	0.0644	12.7	-19.8688
Be 313.042	0.0339b	ppb	0.0068	20.1	-284.939
Ca 370.602	93.43b	ppb	2.051	2.2	256.7
Cd 226.502	-0.0273b	ppb	0.1544	564.6	26.3724
Co 228.615	0.0670b	ppb	0.4395	656.1	-11.7456
Cr 267.716	0.2137b	ppb	0.1326	62.0	-25.2114
Cu 324.754	0.2211b	ppb	0.0436	19.7	156.077
Fe 271.441	6.1743b	ppb	5.3235	86.2	98.9341
K 766.491	36.9503b	ppb	0.8654	2.3	1354.00
Mg 279.078	22.9983b	ppb	1.8357	8.0	79.0936
Mn 257.610	0.5845b	ppb	0.0144	2.5	174.521
Mo 202.032	0.1815b	ppb	0.0610	33.6	15.3426
Na 330.237	119318xb	ppb	962.989	0.8	5970.06
Ni 231.604	0.9953b	ppb	1.6147	162.2	-4.6577
Pb 220.353	0.7721b	ppb	1.2267	158.9	36.2622
Sb 206.834	4.0543b	ppb	0.8000	19.7	4.9285
Se 196.026	1.1911b	ppb	1.0287	86.4	9.8722
Sn 189.925	-3.6767b	ppb	1.6132	43.9	-10.2823
Sr 216.596	0.1037b	ppb	0.4976	479.8	24.3843
Ti 334.941	0.2334b	ppb	0.0521	22.3	-18.1618
Tl 190.794	1.5812b	ppb	1.0701	67.7	-14.4898
V 292.401	0.1161b	ppb	0.2856	245.9	-8.7980
Zn 206.200	-0.2306b	ppb	0.5589	142.4	325.3998

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89411-b-1-f (Samp)		4/24/2013, 2:20:06 PM		Rack 1, Tube 6	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068		0.1235	0.1110	0.0399	
Al 308.215		81.1346	87.6190	82.9868	
As 188.980		-0.3484u	-4.2034u	6.5956	
B 249.678		11.9229	13.3188	12.1459	
Ba 389.178		77.4855	83.4857	82.8947	
Be 313.042		0.0409	0.0240	0.0272	
Ca 370.602		9379	10178	10075	
Cd 226.502		-0.0239u	-0.2192u	-0.0326u	
Co 228.615		2.0166	2.1953	2.3619	
Cr 267.716		1.9716	1.5770	1.6875	
Cu 324.754		0.1642	0.5997	0.6581	
Fe 271.441		352.000	381.085	386.370	
K 766.491		2933.19	3219.96	3215.91	
Mg 279.078		537.020	587.744	581.394	
Mn 257.610		143.724	156.512	155.674	
Mo 202.032		-0.1918u	0.7374	0.0152	
Na 330.237		105724x	114321x	114214x	
Ni 231.604		4.3481	4.5490	2.6711	
Pb 220.353		-0.7960u	3.5672	0.5563	
Sb 206.834		5.0489	3.1610	2.8345	
Se 196.026		-5.5095u	-1.2563u	0.1805	
Sn 189.925		3.2092	-0.0540u	-2.2493u	
Sr 216.596		26.6456	29.9714	29.3203	
Ti 334.941		0.3081	0.2285	0.2205	
Tl 190.794		0.9416	-0.5459u	2.8364	
V 292.401		-0.0444u	0.1048	0.3202	
Zn 206.200		15.6801	16.7307	16.6115	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0914b	ppb	0.0451	49.3	-33.0109
Al 308.215	83.9135b	ppb	3.3401	4.0	162.731
As 188.980	0.6813b	ppb	5.4726	803.3	-9.9199
B 249.678	12.4625b	ppb	0.7499	6.0	260.183
Ba 389.178	81.2886b	ppb	3.3069	4.1	1699.73
Be 313.042	0.0307b	ppb	0.0090	29.4	-286.723
Ca 370.602	9877b	ppb	435.0	4.4	27429
Cd 226.502	-0.0919b	ppb	0.1103	120.1	25.3296
Co 228.615	2.1913b	ppb	0.1727	7.9	9.5253
Cr 267.716	1.7454b	ppb	0.2035	11.7	24.1605
Cu 324.754	0.4740b	ppb	0.2699	56.9	169.800
Fe 271.441	373.152b	ppb	18.5074	5.0	720.806
K 766.491	3123.02b	ppb	164.411	5.3	98094.3
Mg 279.078	568.719b	ppb	27.6355	4.9	1228.58
Mn 257.610	151.970b	ppb	7.1534	4.7	36285.3
Mo 202.032	0.1869b	ppb	0.4878	261.0	15.3635
Na 330.237	111420xb	ppb	4932.92	4.4	5578.68
Ni 231.604	3.8560b	ppb	1.0311	26.7	2.9832
Pb 220.353	1.1092b	ppb	2.2335	201.4	36.7975
Sb 206.834	3.6814b	ppb	1.1954	32.5	4.5441
Se 196.026	-2.1951b	ppb	2.9589	134.8	8.2196
Sn 189.925	0.3020b	ppb	2.7466	909.5	-7.3442
Sr 216.596	28.6458b	ppb	1.7625	6.2	307.373
Ti 334.941	0.2523b	ppb	0.0484	19.2	-10.4715
Tl 190.794	1.0774b	ppb	1.6952	157.3	-15.2045
V 292.401	0.1269b	ppb	0.1833	144.5	-8.5020
Zn 206.200	16.3408b	ppb	0.5752	1133.5f	325

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89411-b-1-fSD^5 (Samp)		4/24/2013, 2:25:01 PM		Rack 1, Tube 7	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	0.2000	-0.1893u	0.1194		
Al 308.215	16.0401	20.2616	20.0698		
As 188.980	-4.3453u	6.4344	-3.1839u		
B 249.678	6.6521	5.5765	5.6816		
Ba 389.178	16.0866	15.8761	17.2108		
Be 313.042	-0.0005u	0.0084	0.0089		
Ca 370.602	2017	1986	1998		
Cd 226.502	-0.0152u	-0.0921u	-0.1673u		
Co 228.615	1.0035	1.2725	0.5542		
Cr 267.716	0.3057	0.5962	0.5203		
Cu 324.754	0.0913	0.4747	-0.1073u		
Fe 271.441	86.9204	76.4535	77.0044		
K 766.491	580.542	570.757	573.987		
Mg 279.078	116.878	114.432	117.641		
Mn 257.610	31.0249	30.6804	30.8775		
Mo 202.032	-0.3548u	-0.2884u	0.2980		
Na 330.237	21364.5	20900.0	21308.6		
Ni 231.604	0.9126	0.9262	0.4013		
Pb 220.353	1.3453	-2.1084u	-2.0501u		
Sb 206.834	3.2473	-1.0001u	4.5841		
Se 196.026	5.2411	-3.3993u	1.3966		
Sn 189.925	-2.4724u	0.1990	-1.5880u		
Sr 216.596	5.7500	4.9699	5.5883		
Ti 334.941	0.1367	0.1212	0.1217		
Tl 190.794	0.7883	0.4218	2.5423		
V 292.401	-0.1153u	0.1056	-0.1549u		
Zn 206.200	1.6457	2.4840	3.1434		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0434	ppb	0.2055	473.8	-36.1339
Al 308.215	18.7905	ppb	2.3838	12.7	13.5334
As 188.980	-0.3649	ppb	5.9170	1621.4	-10.6851
B 249.678	5.9701	ppb	0.5930	9.9	179.447
Ba 389.178	16.3912	ppb	0.7176	4.4	318.220
Be 313.042	0.0056	ppb	0.0053	94.2	-324.180
Ca 370.602	2000	ppb	15.68	0.8	5553
Cd 226.502	-0.0915	ppb	0.0760	83.1	24.8896
Co 228.615	0.9434	ppb	0.3629	38.5	-2.9631
Cr 267.716	0.4741	ppb	0.1507	31.8	-17.9593
Cu 324.754	0.1529	ppb	0.2959	193.5	152.422
Fe 271.441	80.1261	ppb	5.8905	7.4	224.219
K 766.491	575.095	ppb	4.9856	0.9	18223.5
Mg 279.078	116.317	ppb	1.6766	1.4	275.588
Mn 257.610	30.8609	ppb	0.1729	0.6	7396.97
Mo 202.032	-0.1151	ppb	0.3593	312.2	13.1984
Na 330.237	21191.0	ppb	253.546	1.2	1110.36
Ni 231.604	0.7467	ppb	0.2992	40.1	-5.3194
Pb 220.353	-0.9377	ppb	1.9774	210.9	33.6951
Sb 206.834	2.2771	ppb	2.9158	128.0	2.9807
Se 196.026	1.0795	ppb	4.3289	401.0	9.8244
Sn 189.925	-1.2871	ppb	1.3609	105.7	-8.5488
Sr 216.596	5.4361	ppb	0.4117	7.6	77.2955
Ti 334.941	0.1265	ppb	0.0088	7.0	-38.0780
Tl 190.794	1.2508	ppb	1.1334	90.6	-14.8536
V 292.401	-0.0549	ppb	0.1404	255.8	-12.5637
Zn 206.200	2.4244	ppb	0.7506	1131.0f	325.0901

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89411-b-1-fPDS (Samp)		4/24/2013, 2:29:56 PM		Rack 1, Tube 8	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	48.5143	49.2111	48.9382		
Al 308.215	2082.67	2078.32	2080.52		
As 188.980	2050.52	2058.60	2053.03		
B 249.678	967.288	978.689	984.278		
Ba 389.178	2124.88	2127.93	2130.46		
Be 313.042	50.8330	50.9086	50.8668		
Ca 370.602	14871	14864	14875		
Cd 226.502	50.9890	51.6233	51.3643		
Co 228.615	518.031	519.842	522.573		
Cr 267.716	207.700	205.996	206.694		
Cu 324.754	254.073	256.034	255.760		
Fe 271.441	1335.52	1335.25	1340.66		
K 766.491	8909.87	8946.19	8927.26		
Mg 279.078	5446.53	5459.97	5475.68		
Mn 257.610	674.329	675.895	677.173		
Mo 202.032	502.675	503.918	504.199		
Na 330.237	118373x	118719x	119355x		
Ni 231.604	506.770	510.996	509.223		
Pb 220.353	486.366	488.375	490.256		
Sb 206.834	488.529	489.983	494.863		
Se 196.026	1997.28	2000.11	1993.71		
Sn 189.925	997.471	996.386	1001.81		
Sr 216.596	539.910	538.286	540.677		
Ti 334.941	974.997	975.386	975.110		
Tl 190.794	2011.29	2007.13	2026.63		
V 292.401	487.851	490.729	490.767		
Zn 206.200	525.257	523.018	525.306		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.8879b	ppb	0.3511	0.7	3657.99
Al 308.215	2080.50b	ppb	2.1749	0.1	4759.64
As 188.980	2054.05b	ppb	4.1306	0.2	1357.38
B 249.678	976.751b	ppb	8.6590	0.9	12303.4
Ba 389.178	2127.76b	ppb	2.7967	0.1	45234.3
Be 313.042	50.8695b	ppb	0.0379	0.1	91051.6
Ca 370.602	14870b	ppb	5.530	0.0	41409
Cd 226.502	51.3256b	ppb	0.3189	0.6	1813.16
Co 228.615	520.149b	ppb	2.2862	0.4	5203.91
Cr 267.716	206.797b	ppb	0.8569	0.4	6579.96
Cu 324.754	255.289b	ppb	1.0620	0.4	13893.8
Fe 271.441	1337.14b	ppb	3.0493	0.2	2437.27
K 766.491	8927.77b	ppb	18.1651	0.2	280058
Mg 279.078	5460.73b	ppb	14.5894	0.3	11545.5
Mn 257.610	675.799b	ppb	1.4246	0.2	161254
Mo 202.032	503.597b	ppb	0.8110	0.2	3648.14
Na 330.237	118815xb	ppb	497.916	0.4	5933.73
Ni 231.604	508.996b	ppb	2.1220	0.4	1350.82
Pb 220.353	488.332b	ppb	1.9456	0.4	768.884
Sb 206.834	491.125b	ppb	3.3179	0.7	536.660
Se 196.026	1997.03b	ppb	3.2078	0.2	1007.69
Sn 189.925	998.555b	ppb	2.8695	0.3	729.539
Sr 216.596	539.624b	ppb	1.2211	0.2	5331.81
Ti 334.941	975.164b	ppb	0.2004	0.0	249344
Tl 190.794	2015.02b	ppb	10.2703	0.5	1920.94
V 292.401	489.782b	ppb	1.6726	0.3	13016.8
Zn 206.200	524.527b	ppb	1.3070	0.2	727.468

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89411-b-1-g ms (Samp)		4/24/2013, 2:34:52 PM		Rack 1, Tube 9	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	73.0335	71.1002	81.7064		
Al 308.215	875.484	824.526	963.215		
As 188.980	77.4049	76.3573	84.6352		
B 249.678	171.865	161.374	184.838		
Ba 389.178	144.565	135.083	158.213		
Be 313.042	78.8012	74.5549	86.6085		
Ca 370.602	15672	14856	17160		
Cd 226.502	79.2426	74.6804	86.8646		
Co 228.615	79.5505	75.5603	87.0544		
Cr 267.716	80.9899	76.5649	88.9109		
Cu 324.754	79.0846	77.0345	90.2047		
Fe 271.441	7767.18	7328.28	8520.81		
K 766.491	10964.1	10575.2	11854.6		
Mg 279.078	7901.93	7475.19	8657.86		
Mn 257.610	936.803	885.752	1027.64		
Mo 202.032	76.9553	71.7026	83.3836		
Na 330.237	99637.3x	94706.2x	108144x		
Ni 231.604	80.8398	75.5458	86.5377		
Pb 220.353	72.2699	70.6620	85.7284		
Sb 206.834	73.9752	70.7667	83.4676		
Se 196.026	78.5325	75.2378	91.1716		
Sn 189.925	71.7817	70.1366	83.7459		
Sr 216.596	100.387	94.7669	110.719		
Ti 334.941	75.4587	71.3329	83.0788		
Tl 190.794	19.4556	19.3854	18.3392		
V 292.401	76.1339	72.3544	83.2134		
Zn 206.200	91.5666	85.8139	99.3880		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	75.2800b	ppb	5.6487	7.5	5682.45
Al 308.215	887.742b	ppb	70.1524	7.9	2007.69
As 188.980	79.4658b	ppb	4.5074	5.7	42.4962
B 249.678	172.693b	ppb	11.7539	6.8	2252.22
Ba 389.178	145.954b	ppb	11.6274	8.0	3102.92
Be 313.042	79.9882b	ppb	6.1139	7.6	143500
Ca 370.602	15896b	ppb	1168	7.3	43658
Cd 226.502	80.2625b	ppb	6.1558	7.7	2838.07
Co 228.615	80.7217b	ppb	5.8359	7.2	795.412
Cr 267.716	82.1552b	ppb	6.2550	7.6	2597.61
Cu 324.754	82.1079b	ppb	7.0865	8.6	4567.15
Fe 271.441	7872.09b	ppb	603.146	7.7	13434.3
K 766.491	11131.3b	ppb	655.894	5.9	349134
Mg 279.078	8011.66b	ppb	598.919	7.5	16927.0
Mn 257.610	950.067b	ppb	71.8695	7.6	226702
Mo 202.032	77.3472b	ppb	5.8503	7.6	571.808
Na 330.237	100829xb	ppb	6797.70	6.7	5050.91
Ni 231.604	80.9744b	ppb	5.4972	6.8	208.909
Pb 220.353	76.2201b	ppb	8.2736	10.9	149.827
Sb 206.834	76.0698b	ppb	6.6045	8.7	84.8586
Se 196.026	81.6473b	ppb	8.4112	10.3	50.3731
Sn 189.925	75.2214b	ppb	7.4281	9.9	47.9578
Sr 216.596	101.957b	ppb	8.0912	7.9	1031.26
Ti 334.941	76.6234b	ppb	5.9589	7.8	19553.7
Tl 190.794	19.0601b	ppb	0.6253	3.3	0.6378
V 292.401	77.2339b	ppb	5.5124	7.1	2039.16
Zn 206.200	92.2561b	ppb	6.8433	7.4	329.910

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89411-b-1-h msd (Samp)		4/24/2013, 2:39:48 PM		Rack 1, Tube 10		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	75.5134	74.8956	72.8948			
Al 308.215	920.997	902.260	880.351			
As 188.980	87.2813	83.7228	81.7738			
B 249.678	169.867	166.916	160.286			
Ba 389.178	151.723	147.251	143.628			
Be 313.042	83.1913	81.7970	78.7716			
Ca 370.602	16454	16174	15616			
Cd 226.502	83.7514	82.2697	79.2441			
Co 228.615	84.7588	82.7786	79.9111			
Cr 267.716	85.5567	84.2145	80.5613			
Cu 324.754	82.5085	80.7490	78.8232			
Fe 271.441	8186.69	8046.26	7770.56			
K 766.491	11545.1	11310.0	10964.4			
Mg 279.078	8339.45	8187.92	7884.17			
Mn 257.610	987.313	970.176	936.930			
Mo 202.032	80.3873	79.0783	75.6252			
Na 330.237	104676x	102420x	98531.9x			
Ni 231.604	86.7732	83.4350	79.4285			
Pb 220.353	78.5932	76.5276	76.3198			
Sb 206.834	83.6343	83.4545	79.8826			
Se 196.026	79.2007	79.8555	83.0252			
Sn 189.925	74.3771	73.1054	70.9001			
Sr 216.596	107.201	105.321	101.064			
Ti 334.941	79.3234	77.9798	75.3365			
Tl 190.794	16.5342	16.6616	16.4516			
V 292.401	79.8617	78.9985	75.6494			
Zn 206.200	95.0660	92.0934	89.7388			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	74.4346b	ppb	1.3688	1.8	5618.21	
Al 308.215	901.203b	ppb	20.3437	2.3	2038.55	
As 188.980	84.2593b	ppb	2.7926	3.3	45.6883	
B 249.678	165.690b	ppb	4.9067	3.0	2164.60	
Ba 389.178	147.534b	ppb	4.0548	2.7	3137.00	
Be 313.042	81.2533b	ppb	2.2595	2.8	145775	
Ca 370.602	16081b	ppb	426.5	2.7	44165	
Cd 226.502	81.7551b	ppb	2.2973	2.8	2890.26	
Co 228.615	82.4829b	ppb	2.4373	3.0	813.053	
Cr 267.716	83.4442b	ppb	2.5852	3.1	2638.88	
Cu 324.754	80.6936b	ppb	1.8433	2.3	4491.07	
Fe 271.441	8001.17b	ppb	211.695	2.6	13653.1	
K 766.491	11273.2b	ppb	292.098	2.6	353581	
Mg 279.078	8137.18b	ppb	231.839	2.8	17191.7	
Mn 257.610	964.806b	ppb	25.6171	2.7	230218	
Mo 202.032	78.3636b	ppb	2.4602	3.1	579.137	
Na 330.237	101876xb	ppb	3108.05	3.1	5102.71	
Ni 231.604	83.2122b	ppb	3.6774	4.4	214.883	
Pb 220.353	77.1469b	ppb	1.2568	1.6	151.223	
Sb 206.834	82.3238b	ppb	2.1161	2.6	91.7638	
Se 196.026	80.6938b	ppb	2.0454	2.5	49.9009	
Sn 189.925	72.7942b	ppb	1.7593	2.4	46.1665	
Sr 216.596	104.529b	ppb	3.1443	3.0	1056.67	
Ti 334.941	77.5466b	ppb	2.0284	2.6	19790.2	
Tl 190.794	16.5491b	ppb	0.1058	0.6	-1.8027	
V 292.401	78.1699b	ppb	2.2250	2.8	2064.07	
Zn 206.200	92.2994b	ppb	2.6695	2.9	329.993	

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89411-b-2-d (Samp)		4/24/2013, 2:44:44 PM		Rack 1, Tube 11		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.0227u	-0.0088u	0.1007			
Al 308.215	12.1090	10.9269	7.4573			
As 188.980	5.8945	1.1689	-1.1301u			
B 249.678	57.2325	55.3555	56.0201			
Ba 389.178	150.277	145.767	145.858			
Be 313.042	0.0210	0.0334	0.0282			
Ca 370.602	10005	9743	9859			
Cd 226.502	0.0083u	-0.0860u	-0.0240u			
Co 228.615	0.4497	-0.3375u	0.1838			
Cr 267.716	0.7754	0.8076	0.6416			
Cu 324.754	0.7387	1.0438	1.0273			
Fe 271.441	12.5493	9.5886	4.2504			
K 766.491	291.387	281.033	284.440			
Mg 279.078	4369.28	4236.74	4294.59			
Mn 257.610	26.6459	25.8101	26.0907			
Mo 202.032	0.4547	-0.0379u	-0.1734u			
Na 330.237	109222x	105847x	106869x			
Ni 231.604	-1.4847u	0.6583	2.0693			
Pb 220.353	-0.3276u	0.2044	1.0195			
Sb 206.834	3.4836	1.5928	-1.9564u			
Se 196.026	2.0847	-3.9631u	1.6683			
Sn 189.925	-5.0847u	-0.7127u	-1.6679u			
Sr 216.596	90.6914	88.3324	89.7830			
Ti 334.941	0.1980	0.1911	0.1866			
Tl 190.794	1.3340	1.3119	5.2300			
V 292.401	0.0539	0.3051	0.4304			
Zn 206.200	3.3181	3.8452	2.4425			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	0.0230b	ppb	0.0676	293.4	-41.5971	
Al 308.215	10.1644b	ppb	2.4178	23.8	-6.2178	
As 188.980	1.9778b	ppb	3.5815	181.1	-9.0523	
B 249.678	56.2027b	ppb	0.9517	1.7	806.962	
Ba 389.178	147.300b	ppb	2.5781	1.8	3111.96	
Be 313.042	0.0275b	ppb	0.0062	22.7	-291.983	
Ca 370.602	9869b	ppb	131.2	1.3	27429	
Cd 226.502	-0.0339b	ppb	0.0479	141.5	26.2710	
Co 228.615	0.0986b	ppb	0.4005	406.0	-11.4238	
Cr 267.716	0.7415b	ppb	0.0880	11.9	-8.4027	
Cu 324.754	0.9366b	ppb	0.1716	18.3	194.581	
Fe 271.441	8.7961b	ppb	4.2058	47.8	103.423	
K 766.491	285.620b	ppb	5.2771	1.8	9149.15	
Mg 279.078	4300.20b	ppb	66.4471	1.5	9106.72	
Mn 257.610	26.1822b	ppb	0.4253	1.6	6305.64	
Mo 202.032	0.0812b	ppb	0.3305	407.3	14.6178	
Na 330.237	107313xb	ppb	1730.78	1.6	5375.48	
Ni 231.604	0.4143b	ppb	1.7895	431.9	-6.2077	
Pb 220.353	0.2987b	ppb	0.6785	227.1	35.5548	
Sb 206.834	1.0400b	ppb	2.7618	265.6	1.6152	
Se 196.026	-0.0700b	ppb	3.3779	4823.3	9.2482	
Sn 189.925	-2.4884b	ppb	2.2986	92.4	-9.4052	
Sr 216.596	89.6023b	ppb	1.1898	1.3	909.498	
Ti 334.941	0.1919b	ppb	0.0058	3.0	-10.2925	
Tl 190.794	2.6253b	ppb	2.2558	85.9	-13.5219	
V 292.401	0.2631b	ppb	0.1917	72.9	-4.7197	
Zn 206.200	3.2019b	ppb	0.7085	118.1f	325	1507

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89458-a-1-b (Samp)		4/24/2013, 2:49:41 PM		Rack 1, Tube 12		
Label	Replicates	Concentration		Dilution: 1		
Ag 328.068	0.0191	-0.0006	0.0075			
Al 308.215	29.9418	27.5301	27.8225			
As 188.980	6.5988	0.8766	-1.2516u			
B 249.678	44.2742	44.3349	44.9903			
Ba 389.178	86.4514	86.5185	87.3905			
Be 313.042	0.0311	0.0340	0.0367			
Ca 370.602	1702	1701	1701			
Cd 226.502	-0.0428u	0.0676	0.0560			
Co 228.615	6.1269	6.7884	6.0646			
Cr 267.716	0.3709	0.2198	0.3154			
Cu 324.754	0.4082	0.4937	0.7015			
Fe 271.441	3.6542	9.3722	2.6863			
K 766.491	473.325	472.385	471.488			
Mg 279.078	487.625	481.104	485.336			
Mn 257.610	235.952	235.710	235.983			
Mo 202.032	-0.4709u	-0.2887u	-0.4128u			
Na 330.237	108965x	108895x	108884x			
Ni 231.604	0.8635	1.3370	2.5620			
Pb 220.353	903.065	896.081	899.050			
Sb 206.834	6.0837	9.4760	6.1612			
Se 196.026	-2.1789u	-4.8743u	2.3707			
Sn 189.925	-0.1925u	-1.8853u	-0.8475u			
Sr 216.596	5.6668	6.6539	5.9911			
Ti 334.941	0.3493	0.2729	0.3746			
Tl 190.794	-1.0922u	3.6260	0.6957			
V 292.401	0.2122	0.1107	0.3429			
Zn 206.200	4.4485	5.2197	3.1604			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	0.0087b	ppb	0.0099	113.7	-37.8624	
Al 308.215	28.4315b	ppb	1.3162	4.6	35.5984	
As 188.980	2.0746b	ppb	4.0600	195.7	-9.0623	
B 249.678	44.5331b	ppb	0.3971	0.9	661.208	
Ba 389.178	86.7868b	ppb	0.5239	0.6	1815.97	
Be 313.042	0.0339b	ppb	0.0028	8.2	-283.408	
Ca 370.602	1702b	ppb	0.6129	0.0	4732	
Cd 226.502	0.0269b	ppb	0.0607	225.4	28.3306	
Co 228.615	6.3267b	ppb	0.4011	6.3	50.9647	
Cr 267.716	0.3020b	ppb	0.0764	25.3	-21.8342	
Cu 324.754	0.5344b	ppb	0.1508	28.2	172.919	
Fe 271.441	5.2376b	ppb	3.6133	69.0	98.4007	
K 766.491	472.399b	ppb	0.9187	0.2	15004.2	
Mg 279.078	484.688b	ppb	3.3086	0.7	1049.82	
Mn 257.610	235.882b	ppb	0.1493	0.1	56297.1	
Mo 202.032	-0.3908b	ppb	0.0931	23.8	11.2115	
Na 330.237	108915xb	ppb	43.8758	0.0	5454.80	
Ni 231.604	1.5875b	ppb	0.8765	55.2	-3.0774	
Pb 220.353	899.399b	ppb	3.5052	0.4	1388.70	
Sb 206.834	7.2403b	ppb	1.9365	26.7	8.4483	
Se 196.026	-1.5608b	ppb	3.6619	234.6	8.5554	
Sn 189.925	-0.9751b	ppb	0.8535	87.5	-8.2907	
Sr 216.596	6.1039b	ppb	0.5031	8.2	83.8335	
Ti 334.941	0.3322b	ppb	0.0529	15.9	9.7477	
Tl 190.794	1.0765b	ppb	2.3820	221.3	-15.3030	
V 292.401	0.2220b	ppb	0.1164	52.4	-5.7497	
Zn 206.200	4.2762b	ppb	1.0404	1134.3f	3256376	

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Cont Calib Verif (CCV)		4/24/2013, 3:01:51 PM		Rack 1, Tube 13		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	471.999	464.179	472.352			
Al 308.215	4629.10	4646.80	4683.67			
As 188.980	455.133	457.827	452.827			
B 249.678	490.663	488.401	494.530			
Ba 389.178	4946.11	4918.31	4919.46			
Be 313.042	493.973	491.890	492.523			
Ca 370.602	4723	4714	4732			
Cd 226.502	500.936	498.869	499.007			
Co 228.615	504.953	499.343	500.681			
Cr 267.716	4918.17	4927.01	4956.79			
Cu 324.754	5029.81	4976.08	4916.90			
Fe 271.441	4755.17	4730.85	4737.59			
K 766.491	9599.86	9525.83	9566.04			
Mg 279.078	4761.40	4744.89	4744.43			
Mn 257.610	5048.25	4998.34	5019.21			
Mo 202.032	475.902	477.181	478.309			
Na 330.237	7099.79	7083.73	7188.23			
Ni 231.604	2520.02	2507.52	2511.87			
Pb 220.353	473.648	478.544	480.823			
Sb 206.834	912.136	905.866	917.481			
Se 196.026	4792.89	4754.42	4784.82			
Sn 189.925	4779.22	4795.97	4847.34			
Sr 216.596	2405.49	2407.41	2412.28			
Ti 334.941	471.876	471.203	472.899			
Tl 190.794	4890.66	4859.07	4860.28			
V 292.401	4778.99	4745.56	4746.98			
Zn 206.200	2488.95	2471.95	2478.75			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	469.510	ppb	4.6198	1.0	35588.2	93.90198
Al 308.215	4653.19	ppb	27.8397	0.6	10621.7	93.06384
As 188.980	455.262	ppb	2.5022	0.5	292.570	91.05244
B 249.678	491.198	ppb	3.0993	0.6	6234.30	19.64792Q
Ba 389.178	4927.96	ppb	15.7288	0.3	104792	98.55925
Be 313.042	492.795	ppb	1.0681	0.2	885694	98.55908
Ca 370.602	4723	ppb	9.051	0.2	13023	94.45885
Cd 226.502	499.604	ppb	1.1555	0.2	17383.7	99.92081
Co 228.615	501.659	ppb	2.9303	0.6	5019.21	100.33180
Cr 267.716	4933.99	ppb	20.2309	0.4	157707	98.67986
Cu 324.754	4974.26	ppb	56.4774	1.1	267822	99.48526
Fe 271.441	4741.20	ppb	12.5556	0.3	8239.69	94.82405
K 766.491	9563.91	ppb	37.0626	0.4	300000	95.63911
Mg 279.078	4750.24	ppb	9.6685	0.2	9975.96	95.00482
Mn 257.610	5021.93	ppb	25.0635	0.5	1197838	100.43868
Mo 202.032	477.131	ppb	1.2042	0.3	3448.92	95.42621
Na 330.237	7123.92	ppb	56.2734	0.8	391.038	94.98555
Ni 231.604	2513.14	ppb	6.3470	0.3	6698.36	100.52546
Pb 220.353	477.672	ppb	3.6661	0.8	753.925	95.53436
Sb 206.834	911.827	ppb	5.8137	0.6	1056.47	91.18275
Se 196.026	4777.38	ppb	20.2879	0.4	2398.59	95.54750
Sn 189.925	4807.51	ppb	35.4950	0.7	3541.15	96.15018
Sr 216.596	2408.39	ppb	3.4999	0.1	23763.8	96.33560
Ti 334.941	471.993	ppb	0.8542	0.2	120663	94.39853
Tl 190.794	4870.00	ppb	17.9008	0.4	4662.11	97.40007
V 292.401	4757.18	ppb	18.9063	0.4	127057	95.14355
Zn 206.200	2479.88	ppb	8.5566	0.3	3421.73	99.19530

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Cont Calib Blank (CCB)		4/24/2013, 3:07:25 PM		Rack 1, Tube 14		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.0709u	0.2405	0.2297			
Al 308.215	-2.2081u	0.0812	-0.4117u			
As 188.980	1.5256	2.1748	4.6240			
B 249.678	13.0898	12.5444	10.8506			
Ba 389.178	1.4912	1.9172	0.7337			
Be 313.042	0.1429	0.1077	0.0816			
Ca 370.602	-0.1247u	2.301	6.749			
Cd 226.502	0.0711	0.1202	-0.0737u			
Co 228.615	0.1398	0.8582	0.8248			
Cr 267.716	1.8402	1.5048	1.3888			
Cu 324.754	1.3358	1.1966	0.6211			
Fe 271.441	2.5018	5.0756	3.6040			
K 766.491	2.9259	2.3251	0.2123			
Mg 279.078	4.5471	0.5630	5.6127			
Mn 257.610	1.6070	1.2579	0.9624			
Mo 202.032	-0.0438u	0.5602	0.5981			
Na 330.237	-77.8361u	-78.5488u	12.2922			
Ni 231.604	-0.0453u	1.6642	1.5933			
Pb 220.353	0.1410	-1.2713u	1.9029			
Sb 206.834	2.0681	-1.1787u	4.7752			
Se 196.026	-3.0944u	-3.6885u	-0.9544u			
Sn 189.925	-0.0703u	1.5454	0.9620			
Sr 216.596	0.6206	0.3833	0.5335			
Ti 334.941	0.3368	0.2429	0.2286			
Tl 190.794	3.8631	4.5731	0.8197			
V 292.401	1.4552	1.1380	1.1410			
Zn 206.200	0.1324	-1.3735u	-1.6635u			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1331	ppb	0.1768	132.8	-29.2096	0.13309
Al 308.215	-0.8462	ppb	1.2049	142.4	-31.4422	-0.84620
As 188.980	2.7748	ppb	1.6340	58.9	-8.6117	2.77479
B 249.678	12.1616	ppb	1.1676	9.6	256.875	12.16160
Ba 389.178	1.3807	ppb	0.5994	43.4	-1.3419	1.38073
Be 313.042	0.1108	ppb	0.0307	27.8	-133.452	0.11075
Ca 370.602	2.975	ppb	3.486	117.2	5.479	2.97520
Cd 226.502	0.0392	ppb	0.1008	257.2	29.2982	0.03920
Co 228.615	0.6076	ppb	0.4055	66.7	-6.3295	0.60763
Cr 267.716	1.5779	ppb	0.2344	14.9	16.9764	1.57793
Cu 324.754	1.0512	ppb	0.3789	36.0	200.737	1.05115
Fe 271.441	3.7271	ppb	1.2913	34.6	94.8400	3.72715
K 766.491	1.8211	ppb	1.4253	78.3	252.789	1.82110
Mg 279.078	3.5743	ppb	2.6617	74.5	38.0838	3.57428
Mn 257.610	1.2758	ppb	0.3227	25.3	339.947	1.27579
Mo 202.032	0.3715	ppb	0.3601	96.9	16.7122	0.37153
Na 330.237	-48.0309	ppb	52.2426	108.8	58.5624	-48.03092
Ni 231.604	1.0707	ppb	0.9672	90.3	-4.4565	1.07071
Pb 220.353	0.2575	ppb	1.5903	617.5	35.4879	0.25755
Sb 206.834	1.8882	ppb	2.9810	157.9	2.5551	1.88820
Se 196.026	-2.5791	ppb	1.4380	55.8	7.9878	-2.57912
Sn 189.925	0.8124	ppb	0.8182	100.7	-7.0065	0.81238
Sr 216.596	0.5125	ppb	0.1200	23.4	28.4092	0.51248
Ti 334.941	0.2694	ppb	0.0588	21.8	-0.4769	0.26944
Tl 190.794	3.0853	ppb	1.9939	64.6	-13.0436	3.08531
V 292.401	1.2448	ppb	0.1823	14.6	22.3066	1.24476
Zn 206.200	-0.9682	ppb	0.9641	1299.6f	325	-0.96822

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89458-a-2-b (Samp)		4/24/2013, 3:12:59 PM		Rack 1, Tube 15		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	0.3678	-0.0660u	0.1054			
Al 308.215	25.0933	33.7505	30.3382			
As 188.980	7.6797	-0.2609u	0.2932			
B 249.678	42.4216	50.2154	43.8678			
Ba 389.178	110.367	129.188	114.442			
Be 313.042	0.0148	0.0269	0.0369			
Ca 370.602	1433	1680	1507			
Cd 226.502	0.0146u	0.4073	0.0884			
Co 228.615	1.8714	3.1833	3.3037			
Cr 267.716	0.2031	0.4419	0.2730			
Cu 324.754	0.9008	1.1077	0.6878			
Fe 271.441	14.5940	16.5260	9.7158			
K 766.491	372.087	409.180	373.354			
Mg 279.078	409.393	483.570	430.898			
Mn 257.610	54.9111	64.5003	57.3768			
Mo 202.032	0.0338	0.3006	-0.6370u			
Na 330.237	110353x	126915x	113769x			
Ni 231.604	1.8576	0.5470	0.4416			
Pb 220.353	797.427	937.616	838.221			
Sb 206.834	5.9181	8.1476	5.5942			
Se 196.026	9.0411	1.1387	2.1047			
Sn 189.925	-5.9717u	-6.2816u	-2.4546u			
Sr 216.596	6.6201	8.0259	7.0210			
Ti 334.941	0.1843	0.3124	0.2335			
Tl 190.794	4.2258	-0.4773u	1.1787			
V 292.401	0.4119	-0.0802u	-0.0792u			
Zn 206.200	2.1229	1.2120	2.5713			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	0.1357b	ppb	0.2185	161.0	-29.0792	
Al 308.215	29.7273b	ppb	4.3608	14.7	38.5833	
As 188.980	2.5707b	ppb	4.4332	172.5	-8.7336	
B 249.678	45.5016b	ppb	4.1458	9.1	673.294	
Ba 389.178	117.999b	ppb	9.9018	8.4	2479.60	
Be 313.042	0.0262b	ppb	0.0111	42.2	-298.178	
Ca 370.602	1540b	ppb	126.8	8.2	4278	
Cd 226.502	0.1701b	ppb	0.2087	122.7	33.2833	
Co 228.615	2.7861b	ppb	0.7945	28.5	15.4961	
Cr 267.716	0.3060b	ppb	0.1228	40.1	-22.1186	
Cu 324.754	0.8988b	ppb	0.2100	23.4	192.541	
Fe 271.441	13.6119b	ppb	3.5097	25.8	112.013	
K 766.491	384.874b	ppb	21.0591	5.5	12260.5	
Mg 279.078	441.287b	ppb	38.1644	8.6	961.045	
Mn 257.610	58.9294b	ppb	4.9796	8.5	14092.7	
Mo 202.032	-0.1009b	ppb	0.4831	479.0	13.3041	
Na 330.237	117012xb	ppb	8744.32	7.5	5855.85	
Ni 231.604	0.9487b	ppb	0.7889	83.2	-4.7816	
Pb 220.353	857.755b	ppb	72.1070	8.4	1326.00	
Sb 206.834	6.5533b	ppb	1.3901	21.2	7.6849	
Se 196.026	4.0948b	ppb	4.3107	105.3	11.3383	
Sn 189.925	-4.9026b	ppb	2.1257	43.4	-11.1873	
Sr 216.596	7.2223b	ppb	0.7242	10.0	94.8720	
Ti 334.941	0.2434b	ppb	0.0646	26.5	-13.7253	
Tl 190.794	1.6424b	ppb	2.3856	145.2	-14.5119	
V 292.401	0.0842b	ppb	0.2838	337.1	-9.5489	
Zn 206.200	1.9687b	ppb	0.6927	122.8f	325	44461

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89458-a-3-b (Samp)		4/24/2013, 3:18:33 PM		Rack 1, Tube 16		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	-0.0114u	0.0187	0.3302			
Al 308.215	38.3559	32.2336	38.7117			
As 188.980	18.9272	15.2907	16.0918			
B 249.678	35.2833	33.0769	35.3643			
Ba 389.178	158.025	147.386	157.543			
Be 313.042	0.0757	0.0665	0.0656			
Ca 370.602	1592	1498	1600			
Cd 226.502	0.0629	0.0698	0.0550			
Co 228.615	10.8387	10.8701	11.4323			
Cr 267.716	0.5234	0.9321	0.6138			
Cu 324.754	1.5165	1.1727	1.3516			
Fe 271.441	5.3943	5.9356	1.9725			
K 766.491	638.762	596.190	634.072			
Mg 279.078	510.313	470.473	503.462			
Mn 257.610	160.809	149.779	160.487			
Mo 202.032	0.3393	-0.2396u	0.1572			
Na 330.237	110004x	101819x	109732x			
Ni 231.604	2.7354	2.5126	1.7365			
Pb 220.353	12424.7	11564.6	12430.1			
Sb 206.834	56.4247	51.4717	49.5820			
Se 196.026	5.7292	1.7700	2.0601			
Sn 189.925	1.5615	0.5026	-2.2450u			
Sr 216.596	5.0214	4.3385	4.4083			
Ti 334.941	0.1484	0.1204	0.1898			
Tl 190.794	1.5458	2.8383	4.8473			
V 292.401	0.1812	0.5935	0.1257			
Zn 206.200	11.6775	10.0106	12.8197			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	0.1125b	ppb	0.1891	168.1	-30.2348	
Al 308.215	36.4337b	ppb	3.6418	10.0	53.9583	
As 188.980	16.7699b	ppb	1.9107	11.4	0.7224	
B 249.678	34.5748b	ppb	1.2979	3.8	536.826	
Ba 389.178	154.318b	ppb	6.0084	3.9	3252.05	
Be 313.042	0.0693b	ppb	0.0056	8.0	-222.503	
Ca 370.602	1563b	ppb	56.57	3.6	4346	
Cd 226.502	0.0625b	ppb	0.0074	11.8	29.7358	
Co 228.615	11.0470b	ppb	0.3340	3.0	98.2175	
Cr 267.716	0.6897b	ppb	0.2147	31.1	-9.6865	
Cu 324.754	1.3470b	ppb	0.1719	12.8	216.663	
Fe 271.441	4.4341b	ppb	2.1489	48.5	97.6588	
K 766.491	623.008b	ppb	23.3434	3.7	19725.4	
Mg 279.078	494.749b	ppb	21.3014	4.3	1072.31	
Mn 257.610	157.025b	ppb	6.2771	4.0	37489.4	
Mo 202.032	0.0856b	ppb	0.2960	345.7	14.6502	
Na 330.237	107185xb	ppb	4648.97	4.3	5369.11	
Ni 231.604	2.3282b	ppb	0.5244	22.5	-1.1013	
Pb 220.353	12139.8b	ppb	498.156	4.1	18305.0	
Sb 206.834	52.4928b	ppb	3.5338	6.7	58.2724	
Se 196.026	3.1864b	ppb	2.2068	69.3	10.9087	
Sn 189.925	-0.0603b	ppb	1.9647	3257.7	-7.6160	
Sr 216.596	4.5894b	ppb	0.3757	8.2	68.8261	
Ti 334.941	0.1529b	ppb	0.0349	22.8	-35.9553	
Tl 190.794	3.0772b	ppb	1.6637	54.1	-13.2660	
V 292.401	0.3001b	ppb	0.2556	85.2	-3.7561	
Zn 206.200	11.5026b	ppb	1.4127	125.3f	325.6389	

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89458-a-4-b (Samp)		4/24/2013, 3:24:18 PM		Rack 1, Tube 17		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.0906u	0.1407	-0.1199u			
Al 308.215	71.2835	74.4701	71.9810			
As 188.980	1.3128	-4.4228u	-1.6939u			
B 249.678	34.6141	34.0201	34.0223			
Ba 389.178	107.959	108.895	107.964			
Be 313.042	0.0978	0.1052	0.0941			
Ca 370.602	2406	2415	2404			
Cd 226.502	0.0063u	0.0618	-0.0396u			
Co 228.615	6.5562	5.9116	6.5856			
Cr 267.716	0.4400	0.4391	0.9670			
Cu 324.754	1.7172	1.9485	1.4040			
Fe 271.441	17.2423	10.6625	14.7440			
K 766.491	542.289	542.745	538.070			
Mg 279.078	494.231	495.220	498.322			
Mn 257.610	114.302	114.830	114.267			
Mo 202.032	0.7427	0.0865	-0.1639u			
Na 330.237	110427x	110851x	109499x			
Ni 231.604	1.8810	2.0898	2.8426			
Pb 220.353	1453.72	1453.16	1447.80			
Sb 206.834	6.2295	1.4700	8.3981			
Se 196.026	14.3711	7.7348	6.3823			
Sn 189.925	0.9853	-2.5111u	3.6809			
Sr 216.596	5.0167	4.1408	4.0614			
Ti 334.941	0.3985	0.6504	0.4877			
Tl 190.794	0.0061u	-0.4351u	1.9038			
V 292.401	0.0120u	0.5526	0.2950			
Zn 206.200	6.0082	5.7739	5.7923			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-0.0233b	ppb	0.1428	613.5	-40.7900	
Al 308.215	72.5782b	ppb	1.6751	2.3	136.764	
As 188.980	-1.6013b	ppb	2.8689	179.2	-11.5041	
B 249.678	34.2188b	ppb	0.3423	1.0	532.369	
Ba 389.178	108.273b	ppb	0.5391	0.5	2272.91	
Be 313.042	0.0990b	ppb	0.0057	5.7	-166.404	
Ca 370.602	2408b	ppb	5.620	0.2	6693	
Cd 226.502	0.0095b	ppb	0.0508	535.0	27.7491	
Co 228.615	6.3511b	ppb	0.3810	6.0	51.1956	
Cr 267.716	0.6154b	ppb	0.3045	49.5	-12.1481	
Cu 324.754	1.6899b	ppb	0.2733	16.2	235.124	
Fe 271.441	14.2162b	ppb	3.3215	23.4	113.465	
K 766.491	541.034b	ppb	2.5776	0.5	17155.7	
Mg 279.078	495.924b	ppb	2.1346	0.4	1075.47	
Mn 257.610	114.466b	ppb	0.3156	0.3	27338.9	
Mo 202.032	0.2218b	ppb	0.4682	211.1	15.6324	
Na 330.237	110259xb	ppb	691.218	0.6	5521.38	
Ni 231.604	2.2711b	ppb	0.5058	22.3	-1.2532	
Pb 220.353	1451.56b	ppb	3.2686	0.2	2219.66	
Sb 206.834	5.3658b	ppb	3.5439	66.0	6.3777	
Se 196.026	9.4960b	ppb	4.2757	45.0	14.0520	
Sn 189.925	0.7184b	ppb	3.1046	432.2	-7.0399	
Sr 216.596	4.4063b	ppb	0.5301	12.0	67.0985	
Ti 334.941	0.5122b	ppb	0.1277	24.9	55.7258	
Tl 190.794	0.4916b	ppb	1.2428	252.8	-15.6953	
V 292.401	0.2865b	ppb	0.2704	94.4	-4.1550	
Zn 206.200	5.8581b	ppb	0.1303	1242.8f	325	0.8282

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89458-a-5-b (Samp)		4/24/2013, 3:29:53 PM		Rack 1, Tube 18	
Label	Replicates	Concentration			
Ag 328.068	0.0369	-0.0193u	-0.0200u		
Al 308.215	26.5065	19.8832	20.4982		
As 188.980	-1.4727u	-1.6144u	2.4458		
B 249.678	37.4072	36.7157	37.5035		
Ba 389.178	77.7997	77.2052	78.0985		
Be 313.042	0.0413	0.0449	0.0366		
Ca 370.602	1518	1519	1521		
Cd 226.502	0.0564	0.0447	0.0677		
Co 228.615	1.0598	0.9604	1.3744		
Cr 267.716	0.5210	0.4923	0.3077		
Cu 324.754	0.2070	0.3852	0.2052		
Fe 271.441	6.5983	6.6748	11.8235		
K 766.491	691.661	691.604	689.425		
Mg 279.078	352.747	358.499	357.148		
Mn 257.610	48.3587	48.5161	48.3904		
Mo 202.032	-0.1997u	-0.5638u	-0.0990u		
Na 330.237	111472x	111468x	111353x		
Ni 231.604	1.6627	1.2281	-0.1942u		
Pb 220.353	927.702	919.724	930.757		
Sb 206.834	34.5365	32.7974	35.3849		
Se 196.026	2.1898	4.6542	6.0778		
Sn 189.925	-0.9404u	-4.8681u	-4.5063u		
Sr 216.596	9.4932	9.5151	10.1696		
Ti 334.941	0.1679	0.0696	0.1448		
Tl 190.794	3.6783	3.4410	-1.6980u		
V 292.401	-0.0728u	0.1314	0.1953		
Zn 206.200	8.3096	9.0088	8.2955		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0008b	ppb	0.0326	4026.5	-39.5915
Al 308.215	22.2960b	ppb	3.6594	16.4	21.5528
As 188.980	-0.2138b	ppb	2.3043	1077.9	-10.5879
B 249.678	37.2088b	ppb	0.4297	1.2	569.723
Ba 389.178	77.7011b	ppb	0.4547	0.6	1622.46
Be 313.042	0.0409b	ppb	0.0042	10.2	-271.152
Ca 370.602	1519b	ppb	1.242	0.1	4221
Cd 226.502	0.0562b	ppb	0.0115	20.4	29.3356
Co 228.615	1.1315b	ppb	0.2161	19.1	-1.0713
Cr 267.716	0.4403b	ppb	0.1157	26.3	-17.9218
Cu 324.754	0.2658b	ppb	0.1034	38.9	158.468
Fe 271.441	8.3655b	ppb	2.9949	35.8	102.860
K 766.491	690.897b	ppb	1.2748	0.2	21853.5
Mg 279.078	356.131b	ppb	3.0074	0.8	781.474
Mn 257.610	48.4217b	ppb	0.0832	0.2	11586.0
Mo 202.032	-0.2875b	ppb	0.2445	85.1	11.9572
Na 330.237	111431xb	ppb	67.2849	0.1	5579.40
Ni 231.604	0.8989b	ppb	0.9712	108.1	-4.9149
Pb 220.353	926.061b	ppb	5.6969	0.6	1428.79
Sb 206.834	34.2396b	ppb	1.3190	3.9	38.1763
Se 196.026	4.3073b	ppb	1.9670	45.7	11.4418
Sn 189.925	-3.4383b	ppb	2.1708	63.1	-10.1082
Sr 216.596	9.7259b	ppb	0.3843	4.0	119.609
Ti 334.941	0.1274b	ppb	0.0514	40.3	-43.3430
Tl 190.794	1.8071b	ppb	3.0378	168.1	-14.3392
V 292.401	0.0847b	ppb	0.1400	165.4	-9.4847
Zn 206.200	8.5380b	ppb	0.4078	1254.8f	325364

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89458-a-6-b (Samp)		4/24/2013, 3:35:28 PM		Rack 1, Tube 19	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	0.1535	0.0453	-0.1226u		
Al 308.215	64.3556	60.4416	63.7098		
As 188.980	0.7813	2.2145	4.0236		
B 249.678	33.5294	30.0861	32.1808		
Ba 389.178	71.2495	66.1453	70.4523		
Be 313.042	0.0353	0.0450	0.0340		
Ca 370.602	948.2	878.5	919.6		
Cd 226.502	-0.0140u	-0.1370u	0.1087		
Co 228.615	4.9044	4.5862	4.3048		
Cr 267.716	0.3615	0.4385	0.6990		
Cu 324.754	1.4907	1.8114	1.4879		
Fe 271.441	8.5564	10.9421	7.9740		
K 766.491	1393.22	1299.06	1339.09		
Mg 279.078	199.237	190.583	196.367		
Mn 257.610	135.863	126.543	133.735		
Mo 202.032	0.2917	-0.3911u	0.0453		
Na 330.237	112051x	104390x	109161x		
Ni 231.604	2.1649	1.7842	2.8332		
Pb 220.353	274.446	257.818	272.619		
Sb 206.834	10.5867	7.4796	12.5376		
Se 196.026	-5.0407u	-0.8314u	-1.3512u		
Sn 189.925	-1.3133u	-1.5080u	-2.2609u		
Sr 216.596	3.1830	3.3506	3.8552		
Ti 334.941	0.2893	0.3258	0.3629		
Tl 190.794	1.8208	2.2622	2.1621		
V 292.401	0.2458	-0.3020u	0.3217		
Zn 206.200	8.0634	8.3766	8.8122		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0254b	ppb	0.1391	547.4	-36.9351
Al 308.215	62.8357b	ppb	2.0983	3.3	114.438
As 188.980	2.3398b	ppb	1.6248	69.4	-8.8931
B 249.678	31.9321b	ppb	1.7351	5.4	503.813
Ba 389.178	69.2823b	ppb	2.7458	4.0	1443.05
Be 313.042	0.0381b	ppb	0.0060	15.8	-276.016
Ca 370.602	915.4b	ppb	35.05	3.8	2544
Cd 226.502	-0.0141b	ppb	0.1229	870.7	26.9055
Co 228.615	4.5985b	ppb	0.3000	6.5	33.6449
Cr 267.716	0.4997b	ppb	0.1769	35.4	-15.8170
Cu 324.754	1.5967b	ppb	0.1860	11.6	230.105
Fe 271.441	9.1575b	ppb	1.5727	17.2	104.666
K 766.491	1343.79b	ppb	47.2567	3.5	42320.1
Mg 279.078	195.396b	ppb	4.4077	2.3	440.855
Mn 257.610	132.047b	ppb	4.8840	3.7	31530.2
Mo 202.032	-0.0180b	ppb	0.3458	1916.1	13.9021
Na 330.237	108534xb	ppb	3869.04	3.6	5435.93
Ni 231.604	2.2608b	ppb	0.5310	23.5	-1.2810
Pb 220.353	268.294b	ppb	9.1186	3.4	438.896
Sb 206.834	10.2013b	ppb	2.5509	25.0	11.7021
Se 196.026	-2.4078b	ppb	2.2949	95.3	8.1061
Sn 189.925	-1.6940b	ppb	0.5005	29.5	-8.8218
Sr 216.596	3.4629b	ppb	0.3499	10.1	57.6388
Ti 334.941	0.3260b	ppb	0.0368	11.3	6.9992
Tl 190.794	2.0817b	ppb	0.2314	11.1	-14.1917
V 292.401	0.0885b	ppb	0.3403	384.6	-9.4054
Zn 206.200	8.4174b	ppb	0.3761	1264.5f	32533704

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89476-a-1-b (Samp) **4/24/2013, 3:41:13 PM** **Rack 1, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	-0.1891u	0.0146u	0.0720			
Al 308.215	127.278	126.723	129.168			
As 188.980	-2.1134u	1.6830	2.8715			
B 249.678	41.9681	41.5096	42.1134			
Ba 389.178	7.8617	7.1404	6.8316			
Be 313.042	0.0086	0.0022u	0.0083			
Ca 370.602	5982	5964	5966			
Cd 226.502	5.1310	5.1232	4.8123			
Co 228.615	-0.1876u	0.7082	1.2036			
Cr 267.716	14.7974	14.4512	14.7738			
Cu 324.754	9.3306	9.3363	9.3574			
Fe 271.441	86.0979	81.0689	87.3026			
K 766.491	16094.8	16038.1	16059.6			
Mg 279.078	1600.97	1600.49	1599.97			
Mn 257.610	13.5874	13.5156	13.5477			
Mo 202.032	0.7724	0.9377	1.0641			
Na 330.237	115688x	115228x	115771x			
Ni 231.604	6.1422	4.2203	5.8145			
Pb 220.353	0.0470	7.0413	3.7756			
Sb 206.834	5.2774	9.5987	7.8518			
Se 196.026	2.2028	4.8520	11.7705			
Sn 189.925	-2.1079u	-2.0659u	0.2598			
Sr 216.596	36.3396	36.3115	37.1044			
Ti 334.941	0.1405	0.1584	0.1634			
Tl 190.794	1.5303	0.2575	-3.8354u			
V 292.401	0.1440	0.4844	0.5884			
Zn 206.200	244.995	245.291	249.074			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0342b	ppb	0.1372	401.4	-43.5293
Al 308.215	127.723b	ppb	1.2817	1.0	263.133
As 188.980	0.8137b	ppb	2.6037	320.0	-9.8645
B 249.678	41.8637b	ppb	0.3152	0.8	627.803
Ba 389.178	7.2779b	ppb	0.5286	7.3	127.997
Be 313.042	0.0064b	ppb	0.0036	56.6	-332.932
Ca 370.602	5971b	ppb	10.18	0.2	16587
Cd 226.502	5.0222b	ppb	0.1818	3.6	201.921
Co 228.615	0.5747b	ppb	0.7052	122.7	-6.6367
Cr 267.716	14.6741b	ppb	0.1934	1.3	437.110
Cu 324.754	9.3414b	ppb	0.0141	0.2	646.973
Fe 271.441	84.8231b	ppb	3.3066	3.9	232.242
K 766.491	16064.2b	ppb	28.6583	0.2	503766
Mg 279.078	1600.48b	ppb	0.5010	0.0	3408.50
Mn 257.610	13.5503b	ppb	0.0360	0.3	3276.71
Mo 202.032	0.9247b	ppb	0.1463	15.8	20.7027
Na 330.237	115562xb	ppb	292.584	0.3	5782.25
Ni 231.604	5.3923b	ppb	1.0281	19.1	7.0765
Pb 220.353	3.6213b	ppb	3.4997	96.6	40.5499
Sb 206.834	7.5760b	ppb	2.1738	28.7	8.9480
Se 196.026	6.2751b	ppb	4.9400	78.7	12.4172
Sn 189.925	-1.3047b	ppb	1.3550	103.9	-8.5303
Sr 216.596	36.5852b	ppb	0.4499	1.2	385.290
Ti 334.941	0.1541b	ppb	0.0120	7.8	-31.6681
Tl 190.794	-0.6825b	ppb	2.8037	410.8	-16.6888
V 292.401	0.4056b	ppb	0.2324	57.3	-1.9660
Zn 206.200	246.453b	ppb	2.2744	127.09f	342.818

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Ics 680-274117/2-a (Samp)	4/24/2013, 3:46:49 PM		Rack 1, Tube 21		
Weight: 1	Volume: 1			Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	92.8171	102.273	92.2974		
Al 308.215	10284.3	11137.1	10134.1		
As 188.980	199.091	216.462	200.219		
B 249.678	380.738	418.171	382.491		
Ba 389.178	205.085	223.082	202.381		
Be 313.042	103.885	113.396	102.861		
Ca 370.602	9604	10458	9538		
Cd 226.502	104.175	114.392	103.577		
Co 228.615	104.042	113.656	104.154		
Cr 267.716	208.418	226.417	206.706		
Cu 324.754	205.139	223.852	204.343		
Fe 271.441	9766.43	10650.7	9684.16		
K 766.491	10059.4	10885.7	9952.50		
Mg 279.078	9803.63	10734.6	9716.48		
Mn 257.610	1058.88	1157.19	1052.59		
Mo 202.032	197.695	217.989	197.952		
Na 330.237	9291.07	10773.8	9311.24		
Ni 231.604	201.413	222.649	201.086		
Pb 220.353	94.1391	103.719	100.946		
Sb 206.834	104.825	114.150	104.042		
Se 196.026	194.360	220.035	202.469		
Sn 189.925	395.354	433.170	393.105		
Sr 216.596	203.045	220.556	202.357		
Ti 334.941	196.249	213.585	193.882		
Tl 190.794	81.2128	84.8721	76.7039		
V 292.401	199.536	217.549	197.487		
Zn 206.200	203.118	222.670	202.388		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	95.7957	ppb	5.6151	5.9	7238.49
Al 308.215	10518.5	ppb	540.939	5.1	24076.0
As 188.980	205.257	ppb	9.7200	4.7	126.150
B 249.678	393.800	ppb	21.1243	5.4	5011.28
Ba 389.178	210.183	ppb	11.2531	5.4	4477.35
Be 313.042	106.714	ppb	5.8094	5.4	191551
Ca 370.602	9867	ppb	513.2	5.2	26772
Cd 226.502	107.381	ppb	6.0788	5.7	3786.61
Co 228.615	107.284	ppb	5.5184	5.1	1060.66
Cr 267.716	213.847	ppb	10.9198	5.1	6807.16
Cu 324.754	211.112	ppb	11.0410	5.2	11513.1
Fe 271.441	10033.8	ppb	535.865	5.3	17100.7
K 766.491	10299.2	ppb	510.750	5.0	323049
Mg 279.078	10084.9	ppb	564.336	5.6	21298.5
Mn 257.610	1089.55	ppb	58.6590	5.4	259989
Mo 202.032	204.546	ppb	11.6430	5.7	1489.61
Na 330.237	9792.03	ppb	850.282	8.7	539.982
Ni 231.604	208.382	ppb	12.3559	5.9	548.909
Pb 220.353	99.6015	ppb	4.9295	4.9	184.675
Sb 206.834	107.672	ppb	5.6235	5.2	119.527
Se 196.026	205.621	ppb	13.1245	6.4	112.391
Sn 189.925	407.210	ppb	22.5102	5.5	292.990
Sr 216.596	208.653	ppb	10.3145	4.9	2079.41
Ti 334.941	201.239	ppb	10.7575	5.3	51439.9
Tl 190.794	80.9296	ppb	4.0915	5.1	59.8519
V 292.401	204.857	ppb	11.0394	5.4	5429.10
Zn 206.200	209.392	ppb	11.5048	5.5	293.158

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Ics 680-274117/3-a (Samp)	4/24/2013, 3:52:25 PM		Rack 1, Tube 22		
Weight: 1	Volume: 1			Dilution: 1	
Label Replicates Concentration					
Ag 328.068	396.570	381.594	297.470		
Al 308.215	4017.07	3824.51	3661.40		
As 188.980	396.599	371.902	367.702		
B 249.678	732.922	702.552	688.271		
Ba 389.178	383.091	364.744	348.701		
Be 313.042	387.531	370.635	325.782		
Ca 370.602	37205	35631	34267		
Cd 226.502	390.343	371.321	359.068		
Co 228.615	390.389	381.377	343.404		
Cr 267.716	399.341	380.039	363.381		
Cu 324.754	400.728	385.114	312.731		
Fe 271.441	38890.4	37099.1	35675.2		
K 766.491	40056.6x	38677.2x	36080.8x		
Mg 279.078	38152.4	36492.0	34940.7		
Mn 257.610	3942.98	3782.71	3614.57		
Mo 202.032	378.753	364.907	352.326		
Na 330.237	34965.4	33646.1	30656.9		
Ni 231.604	388.015	370.473	356.160		
Pb 220.353	376.835	360.507	344.201		
Sb 206.834	371.286	358.735	351.742		
Se 196.026	376.507	360.371	345.232		
Sn 189.925	376.425	355.193	352.256		
Sr 216.596	405.807	387.066	372.082		
Ti 334.941	372.785	355.914	332.570		
Tl 190.794	83.2350	79.2090	80.8099		
V 292.401	378.240	361.299	347.324		
Zn 206.200	364.141	344.016	330.291		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	358.545b	ppb	53.4198	14.9	27213.6
Al 308.215	3834.33b	ppb	178.040	4.6	8770.93
As 188.980	378.734b	ppb	15.6130	4.1	241.566
B 249.678	707.915b	ppb	22.8037	3.2	8901.01
Ba 389.178	365.512b	ppb	17.2079	4.7	7880.08
Be 313.042	361.316b	ppb	31.9119	8.8	649410
Ca 370.602	35701b	ppb	1470	4.1	96744
Cd 226.502	373.577b	ppb	15.7588	4.2	13111.6
Co 228.615	371.724b	ppb	24.9357	6.7	3707.37
Cr 267.716	380.920b	ppb	17.9961	4.7	12158.8
Cu 324.754	366.191b	ppb	46.9509	12.8	19871.1
Fe 271.441	37221.6b	ppb	1611.09	4.3	63189.8
K 766.491	38271.5xb	ppb	2018.70	5.3	1199909
Mg 279.078	36528.4b	ppb	1606.16	4.4	77077.2
Mn 257.610	3780.08b	ppb	164.221	4.3	901931
Mo 202.032	365.329b	ppb	13.2185	3.6	2648.54
Na 330.237	33089.5b	ppb	2207.55	6.7	1683.80
Ni 231.604	371.549b	ppb	15.9548	4.3	984.841
Pb 220.353	360.514b	ppb	16.3166	4.5	577.621
Sb 206.834	360.588b	ppb	9.9031	2.7	400.292
Se 196.026	360.703b	ppb	15.6406	4.3	190.744
Sn 189.925	361.291b	ppb	13.1880	3.7	259.111
Sr 216.596	388.318b	ppb	16.8973	4.4	3859.13
Ti 334.941	353.756b	ppb	20.1944	5.7	90555.9
Tl 190.794	81.0846b	ppb	2.0270	2.5	55.0117
V 292.401	362.288b	ppb	15.4814	4.3	9608.96
Zn 206.200	346.150b	ppb	17.0253	4.9	487.928

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

CCV (Samp)	4/24/2013, 3:58:01 PM		Rack 1, Tube 23		
Weight: 1	Volume: 1		Dilution: 1		
Label	Replicates	Concentration			
Ag 328.068	469.359	463.400	464.528		
Al 308.215	4715.62	4647.09	4757.71		
As 188.980	464.459	462.669	473.421		
B 249.678	489.834	487.660	501.604		
Ba 389.178	4899.81	4842.60	4954.31		
Be 313.042	491.467	485.864	496.252		
Ca 370.602	4701	4660	4750		
Cd 226.502	492.552	486.932	499.761		
Co 228.615	493.737	489.213	499.486		
Cr 267.716	4959.29	4899.30	4992.40		
Cu 324.754	4880.02	4786.89	4889.92		
Fe 271.441	4697.59	4659.37	4763.76		
K 766.491	9567.90	9475.92	9631.09		
Mg 279.078	4713.37	4651.51	4783.40		
Mn 257.610	4961.13	4911.40	5029.16		
Mo 202.032	474.953	470.407	483.030		
Na 330.237	7099.23	6803.66	6960.30		
Ni 231.604	2482.24	2461.88	2519.19		
Pb 220.353	477.005	475.155	479.227		
Sb 206.834	929.297	914.899	944.039		
Se 196.026	4739.30	4702.10	4803.81		
Sn 189.925	4799.91	4762.88	4851.13		
Sr 216.596	2400.22	2374.56	2432.30		
Ti 334.941	473.577	468.294	477.746		
Tl 190.794	4793.77	4742.34	4876.41		
V 292.401	4707.98	4661.82	4768.38		
Zn 206.200	2448.60	2417.05	2486.28		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	465.762	ppb	3.1652	0.7	35305.1
Al 308.215	4706.81	ppb	55.8323	1.2	10744.6
As 188.980	466.849	ppb	5.7608	1.2	300.288
B 249.678	493.033	ppb	7.5024	1.5	6257.29
Ba 389.178	4898.90	ppb	55.8600	1.1	104174
Be 313.042	491.194	ppb	5.1995	1.1	882818
Ca 370.602	4704	ppb	45.01	1.0	12970
Cd 226.502	493.082	ppb	6.4312	1.3	17157.1
Co 228.615	494.145	ppb	5.1488	1.0	4943.85
Cr 267.716	4950.33	ppb	47.1939	1.0	158229
Cu 324.754	4852.28	ppb	56.8464	1.2	261257
Fe 271.441	4706.91	ppb	52.8175	1.1	8180.26
K 766.491	9558.30	ppb	78.0301	0.8	299824
Mg 279.078	4716.09	ppb	65.9855	1.4	9904.76
Mn 257.610	4967.23	ppb	59.1172	1.2	1184791
Mo 202.032	476.130	ppb	6.3933	1.3	3441.78
Na 330.237	6954.40	ppb	147.870	2.1	382.941
Ni 231.604	2487.77	ppb	29.0519	1.2	6630.67
Pb 220.353	477.129	ppb	2.0390	0.4	753.107
Sb 206.834	929.412	ppb	14.5702	1.6	1075.16
Se 196.026	4748.40	ppb	51.4639	1.1	2384.09
Sn 189.925	4804.64	ppb	44.3181	0.9	3539.03
Sr 216.596	2402.36	ppb	28.9304	1.2	23704.8
Ti 334.941	473.206	ppb	4.7370	1.0	120973
Tl 190.794	4804.17	ppb	67.6381	1.4	4598.87
V 292.401	4712.73	ppb	53.4357	1.1	125871
Zn 206.200	2450.65	ppb	34.6567	1.4	3381.43

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

CCB (Samp)	4/24/2013, 4:03:37 PM		Rack 1, Tube 24		
Weight: 1	Volume: 1		Dilution: 1		
Label	Replicates	Concentration			
Ag 328.068	0.1437	0.3931	0.2543		
Al 308.215	-1.5576u	-0.5401u	1.4861		
As 188.980	5.1777	0.9814	1.1628		
B 249.678	14.8091	14.4823	12.8757		
Ba 389.178	-0.1130u	-0.1392u	-0.5783u		
Be 313.042	0.0014	0.0128	0.0067		
Ca 370.602	0.7208	-0.7821u	5.371		
Cd 226.502	-0.0253u	-0.2500u	-0.2588u		
Co 228.615	0.1474	0.5545	-0.4070u		
Cr 267.716	0.0511	0.0649	0.2429		
Cu 324.754	-0.5706u	0.0649	0.2552		
Fe 271.441	4.2426	5.6026	3.6258		
K 766.491	0.6445	-0.7337u	-0.4394u		
Mg 279.078	-0.9829u	0.2864	-1.8174u		
Mn 257.610	0.0809	0.0623	0.0299		
Mo 202.032	0.3482	0.4841	0.0550		
Na 330.237	-72.6042u	-80.0355u	-163.128u		
Ni 231.604	0.6720	-0.6560u	-1.2492u		
Pb 220.353	-0.3131u	-4.1584u	-2.8523u		
Sb 206.834	2.3249	5.5284	3.7594		
Se 196.026	12.4133	-8.0339u	5.1526		
Sn 189.925	-2.6611u	4.1674	-1.8453u		
Sr 216.596	0.2916	-0.1360u	0.1901		
Ti 334.941	0.1562	0.1733	0.0886		
Tl 190.794	1.9426	2.1092	5.0965		
V 292.401	0.0613	-0.0257u	0.2810		
Zn 206.200	-0.4657u	-2.1254u	-1.8025u		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2637	ppb	0.1249	47.4	-19.2737
Al 308.215	-0.2039	ppb	1.5495	759.9	-29.9502
As 188.980	2.4406	ppb	2.3721	97.2	-8.8343
B 249.678	14.0557	ppb	1.0349	7.4	280.533
Ba 389.178	-0.2768	ppb	0.2614	94.4	-36.6002
Be 313.042	0.0070	ppb	0.0057	81.8	-320.073
Ca 370.602	1.770	ppb	3.208	181.3	2.041
Cd 226.502	-0.1780	ppb	0.1324	74.4	21.7600
Co 228.615	0.0983	ppb	0.4826	490.9	-11.4427
Cr 267.716	0.1196	ppb	0.1070	89.5	-29.6480
Cu 324.754	-0.0835	ppb	0.4324	518.0	139.690
Fe 271.441	4.4903	ppb	1.0115	22.5	96.0613
K 766.491	-0.1762	ppb	0.7258	411.9	190.178
Mg 279.078	-0.8380	ppb	1.0594	126.4	28.7907
Mn 257.610	0.0577	ppb	0.0258	44.8	49.4034
Mo 202.032	0.2957	ppb	0.2193	74.2	16.1672
Na 330.237	-105.256	ppb	50.2560	47.7	55.7305
Ni 231.604	-0.4111	ppb	0.9837	239.3	-8.4102
Pb 220.353	-2.4413	ppb	1.9553	80.1	31.4260
Sb 206.834	3.8709	ppb	1.6047	41.5	4.7221
Se 196.026	3.1773	ppb	10.3657	326.2	10.8649
Sn 189.925	-0.1130	ppb	3.7293	3299.7	-7.6896
Sr 216.596	0.1152	ppb	0.2234	193.8	24.5107
Ti 334.941	0.1394	ppb	0.0448	32.1	-33.7523
Tl 190.794	3.0494	ppb	1.7747	58.2	-13.0772
V 292.401	0.1055	ppb	0.1581	149.8	-8.1967
Zn 206.200	-1.4646	ppb	0.8800	Page 1360.1 of 325	0.3084

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

mb 680-273658/1-a (Samp)		4/24/2013, 4:22:58 PM		Rack 1, Tube 27		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	0.2410	0.4041	-0.2397u			
Al 308.215	3.9813	0.0446	7.5482			
As 188.980	5.8400	-1.6913u	-5.1896u			
B 249.678	2.7901	2.1241	2.1551			
Ba 389.178	0.5575	0.1919	0.5035			
Be 313.042	0.0014	0.0106	0.0114			
Ca 370.602	1.774	2.227	2.646			
Cd 226.502	0.0014	-0.0558u	-0.1082u			
Co 228.615	0.6097	0.1486	0.8134			
Cr 267.716	0.3548	0.1392	0.5327			
Cu 324.754	0.1891	0.3004	0.1495			
Fe 271.441	-0.9177u	2.4540	2.3641			
K 766.491	0.4741	0.0680	1.4142			
Mg 279.078	2.0825	6.2782	5.1608			
Mn 257.610	0.3658	0.4527	0.4272			
Mo 202.032	-0.0522u	0.4418	-0.1174u			
Na 330.237	20.3283	-96.5326u	-32.6861u			
Ni 231.604	-1.4606u	0.1513	1.6072			
Pb 220.353	3.0880	-3.9361u	0.9854			
Sb 206.834	6.4758	-0.1579u	4.6308			
Se 196.026	-5.3556u	-6.3931u	-2.2858u			
Sn 189.925	-4.4401u	-1.9322u	-2.9131u			
Sr 216.596	-0.3808u	0.6612	0.2937			
Ti 334.941	0.0339	0.0990	0.0683			
Tl 190.794	4.1765	4.4619	3.0510			
V 292.401	0.3115	0.3474	0.1224			
Zn 206.200	3.6783	2.1596	2.9978			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	0.1352	ppb	0.3347	247.7	-29.0446	
Al 308.215	3.8580	ppb	3.7533	97.3	-20.6718	
As 188.980	-0.3470	ppb	5.6363	1624.4	-10.6905	
B 249.678	2.3564	ppb	0.3758	15.9	134.408	
Ba 389.178	0.4176	ppb	0.1974	47.3	-21.8265	
Be 313.042	0.0078	ppb	0.0055	70.7	-318.514	
Ca 370.602	2.215	ppb	0.4360	19.7	3.509	
Cd 226.502	-0.0542	ppb	0.0548	101.1	26.0473	
Co 228.615	0.5239	ppb	0.3406	65.0	-7.1661	
Cr 267.716	0.3422	ppb	0.1971	57.6	-22.5314	
Cu 324.754	0.2130	ppb	0.0782	36.7	155.630	
Fe 271.441	1.3001	ppb	1.9213	147.8	90.6841	
K 766.491	0.6521	ppb	0.6905	105.9	216.145	
Mg 279.078	4.5072	ppb	2.1728	48.2	40.0660	
Mn 257.610	0.4152	ppb	0.0447	10.8	134.696	
Mo 202.032	0.0907	ppb	0.3057	336.9	14.6874	
Na 330.237	-36.2969	ppb	58.5141	161.2	59.1178	
Ni 231.604	0.0993	ppb	1.5346	1545.6	-7.0485	
Pb 220.353	0.0458	ppb	3.6051	7870.8	35.1695	
Sb 206.834	3.6496	ppb	3.4240	93.8	4.4863	
Se 196.026	-4.6782	ppb	2.1358	45.7	6.9383	
Sn 189.925	-3.0951	ppb	1.2638	40.8	-9.8909	
Sr 216.596	0.1914	ppb	0.5285	276.2	25.2659	
Ti 334.941	0.0670	ppb	0.0325	48.5	-52.2313	
Tl 190.794	3.8965	ppb	0.7460	19.1	-12.2627	
V 292.401	0.2604	ppb	0.1209	46.4	-3.9589	
Zn 206.200	2.9452	ppb	0.7607	1325.8f	325.7943	

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Ics 680-273658/3-a (Samp)	4/24/2013, 4:28:32 PM		Rack 1, Tube 28		
Weight: 1	Volume: 1			Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	198.438	197.070	196.954		
Al 308.215	1985.53	1984.18	1973.19		
As 188.980	210.131	202.556	198.887		
B 249.678	374.986	377.362	377.045		
Ba 389.178	193.666	194.694	193.829		
Be 313.042	201.249	201.555	200.737		
Ca 370.602	19042	19041	18944		
Cd 226.502	201.888	202.729	201.443		
Co 228.615	201.324	202.341	200.379		
Cr 267.716	201.478	201.318	200.777		
Cu 324.754	203.738	202.598	200.686		
Fe 271.441	19815.2	19851.3	19762.6		
K 766.491	19676.1	19684.5	19601.0		
Mg 279.078	19340.3	19373.5	19248.5		
Mn 257.610	2082.38	2082.78	2072.66		
Mo 202.032	193.815	194.771	193.116		
Na 330.237	17035.0	17360.5	16928.3		
Ni 231.604	200.470	200.372	200.592		
Pb 220.353	191.340	195.041	188.833		
Sb 206.834	194.066	188.363	191.391		
Se 196.026	190.908	184.594	184.186		
Sn 189.925	194.676	192.956	190.523		
Sr 216.596	207.728	207.018	205.731		
Ti 334.941	189.990	190.166	189.629		
Tl 190.794	42.8232	41.1423	44.5512		
V 292.401	195.151	196.350	195.040		
Zn 206.200	185.961	186.230	182.589		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	197.487	ppb	0.8250	0.4	14971.8
Al 308.215	1980.97	ppb	6.7703	0.3	4517.36
As 188.980	203.858	ppb	5.7339	2.8	125.198
B 249.678	376.464	ppb	1.2900	0.3	4782.56
Ba 389.178	194.063	ppb	0.5527	0.3	4169.30
Be 313.042	201.180	ppb	0.4134	0.2	361445
Ca 370.602	19009	ppb	56.03	0.3	51508
Cd 226.502	202.020	ppb	0.6528	0.3	7102.36
Co 228.615	201.348	ppb	0.9810	0.5	2002.57
Cr 267.716	201.191	ppb	0.3673	0.2	6406.38
Cu 324.754	202.341	ppb	1.5423	0.8	11044.0
Fe 271.441	19809.7	ppb	44.6043	0.2	33672.1
K 766.491	19653.9	ppb	45.9664	0.2	616294
Mg 279.078	19320.8	ppb	64.7530	0.3	40781.2
Mn 257.610	2079.27	ppb	5.7262	0.3	496126
Mo 202.032	193.901	ppb	0.8306	0.4	1412.30
Na 330.237	17107.9	ppb	225.127	1.3	899.703
Ni 231.604	200.478	ppb	0.1100	0.1	528.022
Pb 220.353	191.738	ppb	3.1232	1.6	323.649
Sb 206.834	191.274	ppb	2.8534	1.5	212.662
Se 196.026	186.563	ppb	3.7688	2.0	103.169
Sn 189.925	192.719	ppb	2.0866	1.1	134.665
Sr 216.596	206.826	ppb	1.0125	0.5	2066.37
Ti 334.941	189.928	ppb	0.2737	0.1	48585.1
Tl 190.794	42.8389	ppb	1.7045	4.0	21.3914
V 292.401	195.514	ppb	0.7265	0.4	5181.33
Zn 206.200	184.927	ppb	2.0291	1.1	261.464

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89421-c-10-c (Samp)		4/24/2013, 4:34:06 PM		Rack 1, Tube 29		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	0.2864	0.2115	0.1730			
Al 308.215	2.9484	-2.7311u	2.8443			
As 188.980	-3.6048u	1.0246	5.9920			
B 249.678	5.9230	5.8448	4.9115			
Ba 389.178	-0.0636u	-0.2080u	0.1336			
Be 313.042	0.0307	0.0284	0.0337			
Ca 370.602	30.49	34.98	34.98			
Cd 226.502	-0.0178u	0.1052	-0.0328u			
Co 228.615	0.2569	-0.0244u	0.6861			
Cr 267.716	0.3574	0.8210	0.3813			
Cu 324.754	1.1958	1.2543	1.1308			
Fe 271.441	7.3217	6.8865	6.9205			
K 766.491	6.6959	6.0217	6.0048			
Mg 279.078	10.4606	4.4155	6.1317			
Mn 257.610	0.4810	0.5311	0.4492			
Mo 202.032	0.2881	-0.1675u	0.1042			
Na 330.237	94.7764	109.988	133.805			
Ni 231.604	1.3920	0.1681	0.8847			
Pb 220.353	-4.0757u	-2.4258u	-1.0240u			
Sb 206.834	5.0716	4.9412	2.7716			
Se 196.026	-7.7147u	-4.2451u	-0.1908u			
Sn 189.925	0.8574	-0.4340u	-0.4735u			
Sr 216.596	-0.0425u	-0.5686u	-0.4577u			
Ti 334.941	0.1829	0.1652	0.1102			
Tl 190.794	3.9407	0.0806	3.4142			
V 292.401	-0.1372u	-0.0990u	-0.0356u			
Zn 206.200	5.7167	6.7920	5.7707			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	0.2236	ppb	0.0577	25.8	-22.3372	
Al 308.215	1.0205	ppb	3.2494	318.4	-27.1680	
As 188.980	1.1373	ppb	4.7994	422.0	-9.7019	
B 249.678	5.5598	ppb	0.5628	10.1	174.410	
Ba 389.178	-0.0460	ppb	0.1715	372.8	-31.6718	
Be 313.042	0.0309	ppb	0.0027	8.6	-276.902	
Ca 370.602	33.48	ppb	2.591	7.7	89.91	
Cd 226.502	0.0182	ppb	0.0757	416.2	28.5819	
Co 228.615	0.3062	ppb	0.3578	116.9	-9.3465	
Cr 267.716	0.5199	ppb	0.2611	50.2	-16.8437	
Cu 324.754	1.1937	ppb	0.0618	5.2	208.416	
Fe 271.441	7.0429	ppb	0.2421	3.4	100.422	
K 766.491	6.2408	ppb	0.3942	6.3	391.336	
Mg 279.078	7.0026	ppb	3.1152	44.5	45.3335	
Mn 257.610	0.4871	ppb	0.0413	8.5	151.870	
Mo 202.032	0.0749	ppb	0.2292	305.8	14.5737	
Na 330.237	112.856	ppb	19.6716	17.4	66.4780	
Ni 231.604	0.8149	ppb	0.6149	75.5	-5.1388	
Pb 220.353	-2.5085	ppb	1.5275	60.9	31.3253	
Sb 206.834	4.2615	ppb	1.2919	30.3	5.1625	
Se 196.026	-4.0502	ppb	3.7657	93.0	7.2523	
Sn 189.925	-0.0167	ppb	0.7572	4537.2	-7.6184	
Sr 216.596	-0.3563	ppb	0.2774	77.9	19.8485	
Ti 334.941	0.1528	ppb	0.0379	24.8	-30.3132	
Tl 190.794	2.4785	ppb	2.0933	84.5	-13.6268	
V 292.401	-0.0906	ppb	0.0513	56.6	-13.3808	
Zn 206.200	6.0931	ppb	0.6058	1349.8f	325	1524

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89421-c-10-c (Samp) **4/24/2013, 4:39:41 PM** **Rack 1, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	0.2409	-0.0152u	0.3185			
Al 308.215	3.6309	-0.6531u	5.7599			
As 188.980	-0.3065u	3.5198	2.0552			
B 249.678	1.2704	0.9350	0.9808			
Ba 389.178	1.1431	0.8251	-0.7753u			
Be 313.042	-0.0064u	0.0078	-0.0097u			
Ca 370.602	10.59	10.80	11.78			
Cd 226.502	0.0932	-0.2450u	0.2038			
Co 228.615	0.0530	0.1764	-0.0998u			
Cr 267.716	0.1555	0.4406	-0.0546u			
Cu 324.754	0.4664	-0.0811u	0.4534			
Fe 271.441	-0.8808u	3.0142	12.2533			
K 766.491	1.4025	2.0617	1.6280			
Mg 279.078	0.9499	4.4328	2.8419			
Mn 257.610	0.1062	0.1429	0.1257			
Mo 202.032	0.1448	-0.2838u	0.0156			
Na 330.237	70.0585	-42.1133u	48.1691			
Ni 231.604	0.1408	0.5971	0.1569			
Pb 220.353	1.0416	-2.5124u	0.4835			
Sb 206.834	7.7406	0.9311	3.2894			
Se 196.026	-0.9758u	1.3624	6.4596			
Sn 189.925	-1.5800u	-1.2411u	-2.3799u			
Sr 216.596	-0.6512u	-0.0917u	0.0849			
Ti 334.941	0.0646	0.0685	0.0889			
Tl 190.794	0.7207	3.5441	2.8138			
V 292.401	0.0789	-0.0681u	0.0315			
Zn 206.200	0.2662	-0.9952u	-0.0316u			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1814	ppb	0.1746	96.2	-25.5184
Al 308.215	2.9126	ppb	3.2663	112.1	-22.8431
As 188.980	1.7562	ppb	1.9306	109.9	-9.2899
B 249.678	1.0621	ppb	0.1819	17.1	118.235
Ba 389.178	0.3977	ppb	1.0282	258.6	-22.2505
Be 313.042	-0.0028	ppb	0.0093	335.1	-337.528
Ca 370.602	11.06	ppb	0.6353	5.7	27.76
Cd 226.502	0.0173	ppb	0.2338	1348.1	28.5443
Co 228.615	0.0432	ppb	0.1384	320.3	-11.9765
Cr 267.716	0.1805	ppb	0.2485	137.7	-27.6988
Cu 324.754	0.2796	ppb	0.3124	111.7	159.213
Fe 271.441	4.7956	ppb	6.7459	140.7	96.6241
K 766.491	1.6974	ppb	0.3350	19.7	248.911
Mg 279.078	2.7415	ppb	1.7436	63.6	36.3450
Mn 257.610	0.1249	ppb	0.0184	14.7	65.4541
Mo 202.032	-0.0411	ppb	0.2199	534.4	13.7356
Na 330.237	25.3714	ppb	59.4595	234.4	62.1957
Ni 231.604	0.2983	ppb	0.2589	86.8	-6.5175
Pb 220.353	-0.3291	ppb	1.9113	580.7	34.6054
Sb 206.834	3.9870	ppb	3.4579	86.7	4.8594
Se 196.026	2.2820	ppb	3.8021	166.6	10.4174
Sn 189.925	-1.7337	ppb	0.5847	33.7	-8.8859
Sr 216.596	-0.2193	ppb	0.3843	175.2	21.2137
Ti 334.941	0.0740	ppb	0.0130	17.6	-50.4675
Tl 190.794	2.3595	ppb	1.4655	62.1	-13.7404
V 292.401	0.0141	ppb	0.0751	532.7	-10.5302
Zn 206.200	-0.2535	ppb	0.6594	1360.1	325.3681

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89421-c-10-c (Samp)	4/24/2013, 4:45:16 PM		Rack 1, Tube 31		
Weight: 1	Volume: 1		Dilution: 1		
Label	Replicates	Concentration			
Ag 328.068	49.2349	50.1602	50.5895		
Al 308.215	2018.04	2072.74	2071.58		
As 188.980	2065.28	2145.68	2125.93		
B 249.678	985.179	1020.46	1022.31		
Ba 389.178	2093.30	2153.22	2150.39		
Be 313.042	51.7176	53.4272	53.2905		
Ca 370.602	5054	5203	5199		
Cd 226.502	52.9591	54.4925	54.1708		
Co 228.615	534.343	542.510	549.604		
Cr 267.716	210.719	217.658	216.696		
Cu 324.754	262.740	266.413	264.947		
Fe 271.441	995.596	1035.74	1035.10		
K 766.491	5063.88	5223.71	5204.01		
Mg 279.078	5074.23	5235.30	5218.22		
Mn 257.610	539.688	556.424	555.008		
Mo 202.032	517.273	534.549	533.688		
Na 330.237	5038.19	5126.87	5102.59		
Ni 231.604	523.168	537.895	536.227		
Pb 220.353	506.655	518.830	516.359		
Sb 206.834	498.410	512.733	512.138		
Se 196.026	2001.01	2057.49	2049.87		
Sn 189.925	1027.19	1059.48	1053.37		
Sr 216.596	527.723	542.318	541.339		
Ti 334.941	996.433	1027.83	1026.34		
Tl 190.794	2082.33	2152.05	2143.44		
V 292.401	499.836	514.542	514.439		
Zn 206.200	515.563	527.666	531.323		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.9948	ppb	0.6923	1.4	3741.98
Al 308.215	2054.12	ppb	31.2513	1.5	4700.21
As 188.980	2112.30	ppb	41.8968	2.0	1396.08
B 249.678	1009.32	ppb	20.9227	2.1	12710.5
Ba 389.178	2132.30	ppb	33.8059	1.6	45330.0
Be 313.042	52.8118	ppb	0.9500	1.8	94550.5
Ca 370.602	5152	ppb	84.95	1.6	14423
Cd 226.502	53.8741	ppb	0.8086	1.5	1901.23
Co 228.615	542.152	ppb	7.6368	1.4	5424.57
Cr 267.716	215.025	ppb	3.7592	1.7	6841.18
Cu 324.754	264.700	ppb	1.8490	0.7	14400.6
Fe 271.441	1022.15	ppb	22.9948	2.2	1907.99
K 766.491	5163.86	ppb	87.1493	1.7	162070
Mg 279.078	5175.92	ppb	88.4784	1.7	10946.3
Mn 257.610	550.373	ppb	9.2809	1.7	131337
Mo 202.032	528.503	ppb	9.7355	1.8	3827.90
Na 330.237	5089.22	ppb	45.8297	0.9	301.324
Ni 231.604	532.430	ppb	8.0642	1.5	1413.34
Pb 220.353	513.948	ppb	6.4357	1.3	807.356
Sb 206.834	507.760	ppb	8.1029	1.6	554.760
Se 196.026	2036.12	ppb	30.6490	1.5	1027.20
Sn 189.925	1046.68	ppb	17.1544	1.6	765.022
Sr 216.596	537.126	ppb	8.1584	1.5	5304.98
Ti 334.941	1016.87	ppb	17.7111	1.7	260016
Tl 190.794	2125.94	ppb	38.0115	1.8	2027.81
V 292.401	509.606	ppb	8.4609	1.7	13544.8
Zn 206.200	524.851	ppb	8.2485	1.6	727.826

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89470-b-1-a (Samp) **4/24/2013, 4:50:51 PM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	-0.3297u	-0.0274u	-0.0122u			
Al 308.215	696.465	692.599	697.292			
As 188.980	6.9673	8.0329	4.6904			
B 249.678	81.1215	79.4539	78.7085			
Ba 389.178	13.6022	13.5405	13.0217			
Be 313.042	-0.0103u	-0.0149u	-0.0093u			
Ca 370.602	58720	58646	58738			
Cd 226.502	-0.1644u	-0.0561	0.0727			
Co 228.615	1.0010	0.8271	0.6707			
Cr 267.716	1.1062	1.3791	0.6223			
Cu 324.754	18.4870	18.8770	18.7930			
Fe 271.441	632.631	636.498	632.993			
K 766.491	2367.16	2371.25	2372.20			
Mg 279.078	25541.8	25518.2	25545.7			
Mn 257.610	54.0486	53.8049	53.7578			
Mo 202.032	181.707	181.498	181.060			
Na 330.237	18076.7	17941.6	18177.5			
Ni 231.604	70.6768	68.4474	70.3318			
Pb 220.353	-0.0880u	6.4094	2.6543			
Sb 206.834	7.5003	1.3654u	7.4102			
Se 196.026	-4.5583u	-1.7876u	2.8032			
Sn 189.925	2.1541	-3.8498u	1.8437			
Sr 216.596	80.8855	80.3223	80.6997			
Ti 334.941	0.0122	0.0724	0.0667			
Tl 190.794	1.8246	-0.0049u	2.6775			
V 292.401	0.1523u	0.3028u	-0.0235u			
Zn 206.200	17.8265	18.2108	16.1282			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1231	ppb	0.1791	145.5	-52.5796
Al 308.215	695.452	ppb	2.5056	0.4	1573.19
As 188.980	6.5635	ppb	1.7074	26.0	-5.6084
B 249.678	79.7613	ppb	1.2355	1.5	1100.45
Ba 389.178	13.3881	ppb	0.3189	2.4	316.728
Be 313.042	-0.0115	ppb	0.0030	26.1	-363.237
Ca 370.602	58701	ppb	48.54	0.1	163116
Cd 226.502	-0.0493	ppb	0.1187	240.9	28.4168
Co 228.615	0.8329	ppb	0.1652	19.8	-9.3157
Cr 267.716	1.0359	ppb	0.3833	37.0	0.1328
Cu 324.754	18.7190	ppb	0.2053	1.1	1157.17
Fe 271.441	634.040	ppb	2.1356	0.3	1162.56
K 766.491	2370.21	ppb	2.6787	0.1	74495.5
Mg 279.078	25535.2	ppb	14.8981	0.1	53927.6
Mn 257.610	53.8704	ppb	0.1561	0.3	13039.5
Mo 202.032	181.422	ppb	0.3304	0.2	1323.55
Na 330.237	18065.3	ppb	118.396	0.7	955.292
Ni 231.604	69.8187	ppb	1.2000	1.7	178.991
Pb 220.353	2.9919	ppb	3.2619	109.0	39.3861
Sb 206.834	5.4253	ppb	3.5163	64.8	3.7657
Se 196.026	-1.1809	ppb	3.7180	314.8	8.7037
Sn 189.925	0.0493	ppb	3.3803	6851.3	-7.5419
Sr 216.596	80.6359	ppb	0.2870	0.4	818.707
Ti 334.941	0.0504	ppb	0.0332	65.9	47.2517
Tl 190.794	1.4991	ppb	1.3705	91.4	-14.7512
V 292.401	0.1439	ppb	0.1633	113.5	-41.3975
Zn 206.200	17.3885	ppb	1.1082	1376.4	25.9220

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89470-b-1-b ms (Samp)	4/24/2013, 4:56:26 PM		Rack 1, Tube 33		
Weight: 1	Volume: 1			Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	35.9335	35.9033	36.5378		
Al 308.215	5880.41	5895.15	5900.44		
As 188.980	110.119	110.782	109.419		
B 249.678	262.809	263.540	264.734		
Ba 389.178	115.544	116.760	115.841		
Be 313.042	51.8606	51.8695	51.9056		
Ca 370.602	63122	63125	63047		
Cd 226.502	52.7729	52.5788	52.7211		
Co 228.615	52.7291	51.9292	53.2310		
Cr 267.716	105.577	105.001	105.648		
Cu 324.754	123.607	121.470	124.404		
Fe 271.441	5483.76	5494.64	5495.95		
K 766.491	7821.84	7837.56	7815.47		
Mg 279.078	30532.7	30544.2	30525.0		
Mn 257.610	586.159	585.952	584.832		
Mo 202.032	280.376	281.217	281.498		
Na 330.237	23363.1	23155.4	23323.0		
Ni 231.604	171.883	172.116	172.235		
Pb 220.353	51.4195	51.9214	49.0755		
Sb 206.834	60.5070	59.5133	58.9944		
Se 196.026	103.423	104.177	104.474		
Sn 189.925	196.123	200.787	200.009		
Sr 216.596	181.363	180.752	180.717		
Ti 334.941	97.0549	97.3095	97.1559		
Tl 190.794	44.0464	40.0976	37.9858		
V 292.401	100.064	99.6353	100.060		
Zn 206.200	893.907	898.046	901.429		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	36.1249	ppb	0.3579	1.0	2700.91
Al 308.215	5892.00	ppb	10.3777	0.2	13482.2
As 188.980	110.107	ppb	0.6818	0.6	63.3021
B 249.678	263.694	ppb	0.9720	0.4	3391.83
Ba 389.178	116.048	ppb	0.6343	0.5	2518.70
Be 313.042	51.8786	ppb	0.0238	0.0	92940.6
Ca 370.602	63098	ppb	44.00	0.1	175022
Cd 226.502	52.6909	ppb	0.1005	0.2	1874.29
Co 228.615	52.6298	ppb	0.6565	1.2	508.751
Cr 267.716	105.409	ppb	0.3550	0.3	3338.84
Cu 324.754	123.161	ppb	1.5172	1.2	6781.60
Fe 271.441	5491.45	ppb	6.6895	0.1	9398.36
K 766.491	7824.96	ppb	11.3715	0.1	245488
Mg 279.078	30534.0	ppb	9.6364	0.0	64469.6
Mn 257.610	585.647	ppb	0.7136	0.1	139915
Mo 202.032	281.031	ppb	0.5837	0.2	2042.12
Na 330.237	23280.5	ppb	110.217	0.5	1205.12
Ni 231.604	172.078	ppb	0.1791	0.1	451.944
Pb 220.353	50.8054	ppb	1.5191	3.0	111.186
Sb 206.834	59.6716	ppb	0.7686	1.3	63.7507
Se 196.026	104.025	ppb	0.5417	0.5	61.4538
Sn 189.925	198.973	ppb	2.4988	1.3	139.300
Sr 216.596	180.944	ppb	0.3632	0.2	1807.02
Ti 334.941	97.1734	ppb	0.1282	0.1	24907.4
Tl 190.794	40.7099	ppb	3.0764	7.6	21.9982
V 292.401	99.9198	ppb	0.2464	0.2	2608.04
Zn 206.200	897.794	ppb	3.7675	0.4	325

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89470-b-1-c msd (Samp)	4/24/2013, 5:02:02 PM	Rack 1, Tube 34			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	29.3089	28.9741			
Al 308.215	5756.51	5748.48			
As 188.980	100.606	104.266			
B 249.678	259.569	259.470			
Ba 389.178	115.222	114.244			
Be 313.042	50.9130	50.7932			
Ca 370.602	63314	63247			
Cd 226.502	51.8705	51.1164			
Co 228.615	51.5264	51.4035			
Cr 267.716	103.383	103.425			
Cu 324.754	120.749	120.820			
Fe 271.441	5517.62	5496.33			
K 766.491	7615.90	7603.76			
Mg 279.078	30477.8	30364.8			
Mn 257.610	577.075	575.065			
Mo 202.032	280.284	279.537			
Na 330.237	23260.1	22830.7			
Ni 231.604	169.542	166.673			
Pb 220.353	47.5391	48.9805			
Sb 206.834	52.9767	55.1801			
Se 196.026	96.6998	100.013			
Sn 189.925	182.414	197.734			
Sr 216.596	180.476	178.958			
Ti 334.941	95.3119	95.1880			
Tl 190.794	35.6450	39.7222			
V 292.401	98.3000	97.8909			
Zn 206.200	103.701	98.2897			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	29.2332	ppb	0.2308	0.8	2177.15
Al 308.215	5745.13	ppb	13.3787	0.2	13145.7
As 188.980	104.917	ppb	4.6700	4.5	59.8480
B 249.678	259.527	ppb	0.0507	0.0	3339.76
Ba 389.178	114.581	ppb	0.5552	0.5	2487.14
Be 313.042	50.7911	ppb	0.1231	0.2	90985.3
Ca 370.602	63194	ppb	153.8	0.2	175287
Cd 226.502	51.4109	ppb	0.4032	0.8	1829.89
Co 228.615	51.5410	ppb	0.1453	0.3	497.871
Cr 267.716	103.376	ppb	0.0528	0.1	3273.85
Cu 324.754	120.950	ppb	0.2895	0.2	6662.57
Fe 271.441	5500.88	ppb	14.9909	0.3	9414.04
K 766.491	7607.63	ppb	7.1643	0.1	238675
Mg 279.078	30376.3	ppb	96.2953	0.3	64136.9
Mn 257.610	575.100	ppb	1.9579	0.3	137398
Mo 202.032	279.123	ppb	1.4145	0.5	2028.36
Na 330.237	23022.5	ppb	218.364	0.9	1198.08
Ni 231.604	168.477	ppb	1.5704	0.9	442.335
Pb 220.353	48.5763	ppb	0.9055	1.9	107.835
Sb 206.834	53.2668	ppb	1.7861	3.4	56.7032
Se 196.026	97.0090	ppb	2.8616	2.9	57.9442
Sn 189.925	188.748	ppb	7.9967	4.2	131.753
Sr 216.596	179.445	ppb	0.8926	0.5	1792.36
Ti 334.941	95.3838	ppb	0.2400	0.3	24449.1
Tl 190.794	38.7804	ppb	2.7866	7.2	20.1563
V 292.401	97.9702	ppb	0.2982	0.3	2556.38
Zn 206.200	100.808	ppb	2.7249	2.7	342.171

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89447-g-4-b (Samp) **4/24/2013, 5:07:38 PM** **Rack 1, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	-0.1782u	-0.1847u	-0.1441u			
Al 308.215	0.9653	5.8052	1.5502			
As 188.980	1.9449	-2.7159u	0.5676			
B 249.678	397.447	388.812	383.008			
Ba 389.178	0.3412	0.5740	0.0920			
Be 313.042	0.0290u	0.0354u	0.0280u			
Ca 370.602	37256	36540	35911			
Cd 226.502	0.1774	0.0037u	0.2000			
Co 228.615	-0.2789u	-0.7265u	-0.8046u			
Cr 267.716	-0.3868u	0.3953	-0.1030			
Cu 324.754	0.0654	0.2457	0.4274			
Fe 271.441	6.2987	19.5875	20.0624			
K 766.491	43814.1x	43130.7x	42129.6x			
Mg 279.078	88167.3	86442.1	84713.5			
Mn 257.610	4.4178	4.2616	4.1753			
Mo 202.032	0.6213	-0.2717u	-0.3886u			
Na 330.237	932322x	906877x	903610x			
Ni 231.604	3.7348	3.1967	2.6063			
Pb 220.353	5.1474	5.0133	0.8971			
Sb 206.834	4.9173	1.3854	1.3261			
Se 196.026	11.0668	3.2920	9.8906			
Sn 189.925	-2.8821u	-4.0850u	-3.2582u			
Sr 216.596	676.478	660.848	648.961			
Ti 334.941	-1.0622	-1.0472	-1.0879			
Tl 190.794	0.5713	3.7298	1.3389			
V 292.401	0.4697	0.7251	0.2525			
Zn 206.200	-0.3954u	-0.5041u	-0.4403u			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1690b	ppb	0.0218	12.9	-83.5667
Al 308.215	2.7736b	ppb	2.6417	95.2	-23.1527
As 188.980	-0.0678b	ppb	2.3945	3531.9	-10.1717
B 249.678	389.756b	ppb	7.2657	1.9	4973.29
Ba 389.178	0.3357b	ppb	0.2411	71.8	183.122
Be 313.042	0.0308b	ppb	0.0040	13.1	-371.902
Ca 370.602	36569b	ppb	672.7	1.8	101642
Cd 226.502	0.1270b	ppb	0.1074	84.6	28.6026
Co 228.615	-0.6034b	ppb	0.2837	47.0	-18.4306
Cr 267.716	-0.0315b	ppb	0.3959	1257.8	-23.5453
Cu 324.754	0.2461b	ppb	0.1810	73.5	157.420
Fe 271.441	15.3162b	ppb	7.8130	51.0	114.391
K 766.491	43024.8xb	ppb	847.241	2.0	1348912
Mg 279.078	86441.0b	ppb	1726.91	2.0	182484
Mn 257.610	4.2849b	ppb	0.1229	2.9	1570.41
Mo 202.032	-0.0130b	ppb	0.5524	4249.7	13.9378
Na 330.237	914269xb	ppb	15718.7	1.7	45339.4
Ni 231.604	3.1793b	ppb	0.5645	17.8	1.1699
Pb 220.353	3.6859b	ppb	2.4162	65.6	40.6487
Sb 206.834	2.5429b	ppb	2.0565	80.9	3.2672
Se 196.026	8.0831b	ppb	4.1907	51.8	13.3188
Sn 189.925	-3.4084b	ppb	0.6154	18.1	-9.8182
Sr 216.596	662.096b	ppb	13.8010	2.1	6567.78
Ti 334.941	-1.0658b	ppb	0.0206	1.9	-52.3669
Tl 190.794	1.8800b	ppb	1.6473	87.6	-14.2110
V 292.401	0.4824b	ppb	0.2366	49.0	-4.1369
Zn 206.200	-0.4466b	ppb	0.0546	1402.8f	3251022

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89447-g-4-c (Samp)		4/24/2013, 5:13:14 PM		Rack 1, Tube 36		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.1373u	0.0835u	0.0029u			
Al 308.215	5.1976	2.4331	1.9133			
As 188.980	-5.8012u	3.2355	-0.4778			
B 249.678	400.347	392.806	389.050			
Ba 389.178	0.0163	-0.5268	0.7777			
Be 313.042	0.0208u	0.0235u	0.0377u			
Ca 370.602	36863	36005	35319			
Cd 226.502	0.2403	-0.0744u	0.0775u			
Co 228.615	-0.5343u	0.1279	0.8356			
Cr 267.716	0.4793	-0.0505	-0.1831			
Cu 324.754	0.4975	0.2672	0.4894			
Fe 271.441	9.7164	6.0794	9.2142			
K 766.491	42548.7x	41411.6x	40565.1x			
Mg 279.078	84687.3	82697.7	81101.4			
Mn 257.610	4.3071	4.1103	4.0253			
Mo 202.032	-0.2544u	-1.6817u	-0.0044u			
Na 330.237	889250x	866578x	852126x			
Ni 231.604	2.6401	4.2830	2.0001			
Pb 220.353	4.1565	0.0840	-1.4434u			
Sb 206.834	6.4769	-2.9057u	0.2319			
Se 196.026	7.0463	13.8065	8.9741			
Sn 189.925	-4.9546u	3.8948	-2.3640u			
Sr 216.596	669.188	652.675	637.621			
Ti 334.941	-0.9957	-1.0439	-1.0002			
Tl 190.794	0.8912	0.5257	-0.7528u			
V 292.401	0.3253	0.2866	0.2696			
Zn 206.200	0.0777	1.8488	0.7947			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-0.0170b	ppb	0.1118	659.0	-71.6620	
Al 308.215	3.1813b	ppb	1.7654	55.5	-22.2407	
As 188.980	-1.0145b	ppb	4.5422	447.7	-10.8064	
B 249.678	394.068b	ppb	5.7535	1.5	5027.16	
Ba 389.178	0.0890b	ppb	0.6553	735.8	169.240	
Be 313.042	0.0273b	ppb	0.0091	33.4	-373.071	
Ca 370.602	36062b	ppb	773.7	2.1	100233	
Cd 226.502	0.0811b	ppb	0.1574	194.0	27.1810	
Co 228.615	0.1430b	ppb	0.6851	478.9	-10.9452	
Cr 267.716	0.0819b	ppb	0.3505	428.0	-20.4546	
Cu 324.754	0.4180b	ppb	0.1307	31.3	166.658	
Fe 271.441	8.3367b	ppb	1.9709	23.6	102.605	
K 766.491	41508.5xb	ppb	995.322	2.4	1301379	
Mg 279.078	82828.8b	ppb	1796.54	2.2	174860	
Mn 257.610	4.1476b	ppb	0.1446	3.5	1516.29	
Mo 202.032	-0.6468b	ppb	0.9049	139.9	9.3634	
Na 330.237	869318xb	ppb	18713.1	2.2	43113.2	
Ni 231.604	2.9744b	ppb	1.1776	39.6	0.6231	
Pb 220.353	0.9324b	ppb	2.8948	310.5	36.5053	
Sb 206.834	1.2677b	ppb	4.7763	376.8	1.8710	
Se 196.026	9.9423b	ppb	3.4826	35.0	14.2480	
Sn 189.925	-1.1412b	ppb	4.5496	398.7	-8.1590	
Sr 216.596	653.161b	ppb	15.7895	2.4	6479.48	
Ti 334.941	-1.0133b	ppb	0.0266	2.6	-50.5559	
Tl 190.794	0.2214b	ppb	0.8632	390.0	-15.8052	
V 292.401	0.2938b	ppb	0.0286	9.7	-8.8055	
Zn 206.200	0.9071b	ppb	0.8909	1498.2f	325	29741

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Cont Calib Verif (CCV)		4/24/2013, 5:18:49 PM		Rack 1, Tube 37		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	457.259	458.924	461.711			
Al 308.215	4506.76	4538.84	4544.83			
As 188.980	460.720	464.637	461.267			
B 249.678	482.933	486.244	484.579			
Ba 389.178	4785.65	4801.72	4786.39			
Be 313.042	478.980	481.520	480.250			
Ca 370.602	4592	4610	4595			
Cd 226.502	487.156	487.173	485.280			
Co 228.615	486.005	489.003	486.423			
Cr 267.716	4797.30	4835.40	4824.42			
Cu 324.754	4721.09	4792.90	4797.11			
Fe 271.441	4621.34	4638.30	4618.19			
K 766.491	9349.08	9368.81	9347.70			
Mg 279.078	4634.04	4656.84	4646.61			
Mn 257.610	4889.89	4903.39	4898.26			
Mo 202.032	464.384	468.296	466.345			
Na 330.237	6967.83	7058.85	7060.24			
Ni 231.604	2449.67	2456.83	2443.58			
Pb 220.353	463.602	463.712	464.946			
Sb 206.834	910.828	913.161	911.903			
Se 196.026	4679.13	4674.38	4665.68			
Sn 189.925	4702.60	4723.48	4698.47			
Sr 216.596	2348.45	2360.26	2355.65			
Ti 334.941	457.919	460.211	459.324			
Tl 190.794	4731.50	4754.67	4730.71			
V 292.401	4629.69	4639.72	4627.41			
Zn 206.200	2421.27	2421.42	2412.31			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	459.298	ppb	2.2497	0.5	34814.0	91.85961
Al 308.215	4530.14	ppb	20.4702	0.5	10340.0	90.60288
As 188.980	462.208	ppb	2.1214	0.5	297.200	92.44162
B 249.678	484.585	ppb	1.6557	0.3	6151.86	19.38342Q
Ba 389.178	4791.25	ppb	9.0714	0.2	101884	95.82500
Be 313.042	480.250	ppb	1.2699	0.3	863139	96.05004
Ca 370.602	4599	ppb	9.364	0.2	12681	91.98306
Cd 226.502	486.536	ppb	1.0877	0.2	16929.7	97.30727
Co 228.615	487.144	ppb	1.6235	0.3	4873.63	97.42872
Cr 267.716	4819.04	ppb	19.6108	0.4	154032	96.38082
Cu 324.754	4770.36	ppb	42.7228	0.9	256849	95.40730
Fe 271.441	4625.94	ppb	10.8187	0.2	8041.47	92.51890
K 766.491	9355.20	ppb	11.8082	0.1	293457	93.55198
Mg 279.078	4645.83	ppb	11.4189	0.2	9757.59	92.91660
Mn 257.610	4897.18	ppb	6.8115	0.1	1168082	97.94357
Mo 202.032	466.342	ppb	1.9558	0.4	3371.29	93.26834
Na 330.237	7028.97	ppb	52.9566	0.8	386.902	93.71961
Ni 231.604	2450.03	ppb	6.6356	0.3	6529.97	98.00112
Pb 220.353	464.087	ppb	0.7462	0.2	733.483	92.81732
Sb 206.834	911.964	ppb	1.1677	0.1	1055.34	91.19639
Se 196.026	4673.06	ppb	6.8186	0.1	2346.42	93.46126
Sn 189.925	4708.18	ppb	13.4084	0.3	3467.83	94.16364
Sr 216.596	2354.79	ppb	5.9542	0.3	23235.5	94.19148
Ti 334.941	459.151	ppb	1.1555	0.3	117378	91.83029
Tl 190.794	4738.96	ppb	13.6088	0.3	4536.22	94.77917
V 292.401	4632.27	ppb	6.5460	0.1	123721	92.64548
Zn 206.200	2418.33	ppb	5.2489	0.2	3336.85	96.73336

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

Cont Calib Blank (CCB)		4/24/2013, 5:24:23 PM		Rack 1, Tube 38		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.2007u	0.1009	0.1535			
Al 308.215	-2.2850u	-3.6304u	0.9692			
As 188.980	-1.6097u	-1.3994u	0.8782			
B 249.678	12.9383	11.7746	11.0790			
Ba 389.178	0.3321	0.5682	0.0940			
Be 313.042	0.0094	0.0028	0.0143			
Ca 370.602	-1.659u	3.689	2.891			
Cd 226.502	-0.0251u	-0.1486u	-0.3621u			
Co 228.615	0.4110	0.8022	0.2889			
Cr 267.716	0.3495	0.3920	0.4128			
Cu 324.754	0.1938	0.2561	-0.1610u			
Fe 271.441	1.0651	1.1449	0.5374			
K 766.491	1.2245	-0.4015u	-1.4362u			
Mg 279.078	3.4818	0.7038	2.9163			
Mn 257.610	-0.0044u	-0.0027u	0.0390			
Mo 202.032	-0.0297u	0.1223	-0.2386u			
Na 330.237	16.4142	-19.3776u	-95.4138u			
Ni 231.604	-0.9268u	2.7389	0.7908			
Pb 220.353	1.0927	-3.1947u	0.9348			
Sb 206.834	4.9020	3.2415	2.4142			
Se 196.026	4.5557	0.5670	2.0253			
Sn 189.925	0.5943	-2.2063u	-1.8031u			
Sr 216.596	-0.3836u	-0.3918u	-0.3949u			
Ti 334.941	0.1633	0.1284	0.1822			
Tl 190.794	1.6305	5.0708	2.4957			
V 292.401	0.5085	0.1371	0.3952			
Zn 206.200	-0.6955u	-0.2880u	-1.2253u			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0179	ppb	0.1912	1067.9	-37.9399	0.01790
Al 308.215	-1.6487	ppb	2.3649	143.4	-33.2816	-1.64871
As 188.980	-0.7103	ppb	1.3797	194.2	-10.9325	-0.71031
B 249.678	11.9307	ppb	0.9394	7.9	253.994	11.93065
Ba 389.178	0.3314	ppb	0.2371	71.5	-23.6644	0.33142
Be 313.042	0.0088	ppb	0.0058	65.5	-316.693	0.00884
Ca 370.602	1.641	ppb	2.885	175.9	1.887	1.64057
Cd 226.502	-0.1786	ppb	0.1705	95.5	21.7311	-0.17859
Co 228.615	0.5007	ppb	0.2682	53.6	-7.3995	0.50071
Cr 267.716	0.3847	ppb	0.0323	8.4	-21.1708	0.38474
Cu 324.754	0.0963	ppb	0.2250	233.7	149.351	0.09629
Fe 271.441	0.9158	ppb	0.3301	36.0	90.0498	0.91581
K 766.491	-0.2044	ppb	1.3412	656.1	189.294	-0.20442
Mg 279.078	2.3673	ppb	1.4681	62.0	35.5569	2.36727
Mn 257.610	0.0106	ppb	0.0246	231.5	38.1816	0.01062
Mo 202.032	-0.0487	ppb	0.1812	372.5	13.6810	-0.04865
Na 330.237	-32.7924	ppb	57.1081	174.2	59.3175	-32.79242
Ni 231.604	0.8676	ppb	1.8341	211.4	-4.9984	0.86761
Pb 220.353	-0.3891	ppb	2.4311	624.8	34.5148	-0.38907
Sb 206.834	3.5192	ppb	1.2669	36.0	4.3410	3.51922
Se 196.026	2.3827	ppb	2.0182	84.7	10.4676	2.38266
Sn 189.925	-1.1384	ppb	1.5140	133.0	-8.4464	-1.13836
Sr 216.596	-0.3901	ppb	0.0059	1.5	19.5108	-0.39009
Ti 334.941	0.1580	ppb	0.0273	17.3	-28.9977	0.15796
Tl 190.794	3.0657	ppb	1.7896	58.4	-13.0610	3.06566
V 292.401	0.3469	ppb	0.1904	54.9	-1.6613	0.34693
Zn 206.200	-0.7363	ppb	0.4700	1463.8f	325	-0.6988

E04242013.wvq. All Data Report 4/25/2013, 12:16:18 PM

680-89447-f-5-b (Samp)

4/24/2013, 5:29:57 PM

Rack 1, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	-0.0378u	-0.2656u	-0.0848u			
Al 308.215	6.6753	5.6364	3.4771			
As 188.980	1.5023	1.2029	-0.8065u			
B 249.678	373.624	376.414	376.204			
Ba 389.178	0.1478	0.9115	-0.0659			
Be 313.042	0.0316u	0.0313u	0.0294u			
Ca 370.602	32906	33052	32716			
Cd 226.502	0.2604	0.0816u	0.0481u			
Co 228.615	0.2089	-0.3258u	0.8560			
Cr 267.716	0.3694	0.3597	0.4601			
Cu 324.754	0.5011	0.4914	0.2957			
Fe 271.441	13.5189	15.6734	11.7616			
K 766.491	45050.0x	45177.6x	44823.0x			
Mg 279.078	88592.6	89114.7	88169.0			
Mn 257.610	1.8545	1.8793	1.8235			
Mo 202.032	0.3915	-0.1592u	-0.1707u			
Na 330.237	937060x	942878x	934972x			
Ni 231.604	2.5008	3.5806	1.5009			
Pb 220.353	0.2534	3.0778	2.2882			
Sb 206.834	0.6848	7.3535	3.7802			
Se 196.026	5.9181	4.7286	13.2033			
Sn 189.925	-3.9940u	-2.3414u	-0.7928u			
Sr 216.596	619.288	624.111	618.794			
Ti 334.941	-1.0473	-1.0248	-1.1161			
Tl 190.794	2.3831	-0.2976u	-3.1724u			
V 292.401	0.6007	0.7742	0.1670u			
Zn 206.200	0.1918	1.9375	0.3893			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1294b	ppb	0.1203	92.9	-78.8200
Al 308.215	5.2629b	ppb	1.6315	31.0	-17.4553
As 188.980	0.6329b	ppb	1.2555	198.4	-9.7382
B 249.678	375.414b	ppb	1.5538	0.4	4794.16
Ba 389.178	0.3311b	ppb	0.5139	155.2	188.284
Be 313.042	0.0308b	ppb	0.0012	3.9	-376.039
Ca 370.602	32891b	ppb	168.6	0.5	91419
Cd 226.502	0.1301b	ppb	0.1141	87.8	28.6035
Co 228.615	0.2464b	ppb	0.5918	240.2	-9.9181
Cr 267.716	0.3964b	ppb	0.0554	14.0	-9.5816
Cu 324.754	0.4294b	ppb	0.1159	27.0	167.280
Fe 271.441	13.6513b	ppb	1.9592	14.4	111.653
K 766.491	45016.8xb	ppb	179.637	0.4	1411358
Mg 279.078	88625.5b	ppb	473.694	0.5	187095
Mn 257.610	1.8524b	ppb	0.0279	1.5	1003.23
Mo 202.032	0.0205b	ppb	0.3214	1565.0	14.1799
Na 330.237	938303xb	ppb	4096.66	0.4	46529.6
Ni 231.604	2.5274b	ppb	1.0401	41.2	-0.5695
Pb 220.353	1.8731b	ppb	1.4572	77.8	37.9201
Sb 206.834	3.9395b	ppb	3.3372	84.7	4.8080
Se 196.026	7.9500b	ppb	4.5882	57.7	13.2516
Sn 189.925	-2.3761b	ppb	1.6009	67.4	-9.0498
Sr 216.596	620.731b	ppb	2.9375	0.5	6158.79
Ti 334.941	-1.0627b	ppb	0.0476	4.5	-44.2803
Tl 190.794	-0.3623b	ppb	2.7783	766.8	-16.3636
V 292.401	0.5140b	ppb	0.3128	60.9	-3.4367
Zn 206.200	0.8396b	ppb	0.9560	143.8f	325.8820

Blank (Blk)	4/19/2013, 11:33:04 AM		Rack S, Tube 1		
Label	Replicates	Concentration			
Ag 328.068	-0.0844	-0.1185	0.2029		
Al 308.215	1.2820	-1.5796	0.2977		
As 188.980	-0.0288	1.6944	-1.6656		
B 249.678	0.0154	-0.0317	0.0163		
Ba 389.178	-0.1539	-0.1356	0.2895		
Be 313.042	-0.0029	0.0016	0.0013		
Ca 370.602	-1.972	2.856	-0.8837		
Cd 226.502	-0.0834	0.0303	0.0531		
Co 228.615	-0.2972	-0.0914	0.3886		
Cr 267.716	0.1174	-0.2249	0.1075		
Cu 324.754	-0.1886	-0.1973	0.3859		
Fe 271.441	6.6894	-3.3002	-3.3893		
K 766.491	0.2212	-0.0990	-0.1222		
Mg 279.078	-0.1018	-0.0366	0.1385		
Mn 257.610	-0.0054	0.0156	-0.0102		
Mo 202.032	0.0083	-0.2330	0.2247		
Na 330.237	-75.3034	42.1640	33.1396		
Ni 231.604	0.7509	0.2154	-0.9663		
Pb 220.353	-0.4783	0.0299	0.4484		
Sb 206.834	-2.6994	2.4519	0.2475		
Se 196.026	-0.2686	-2.7360	3.0046		
Sn 189.925	1.3926	-0.9138	-0.4788		
Sr 216.596	-0.2937	0.0511	0.2426		
Ti 334.941	-0.0403	0.0340	0.0063		
Tl 190.794	0.9869	-0.2703	-0.7165		
V 292.401	-0.0697	0.0602	0.0095		
Zn 206.200	0.9828	-0.6877	-0.2951		
Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	12.830	150.2	-8.5433
Al 308.215	0.0000	ppb	3.069	82.5	3.7214
As 188.980	0.0000	ppb	1.041	10.3	-10.1233
B 249.678	0.0000	ppb	0.319	0.1	265.226
Ba 389.178	0.0000	ppb	5.034	26.9	18.6851
Be 313.042	0.0000	ppb	4.259	2.9	-149.110
Ca 370.602	0.0000	ppb	6.589	9.0	72.88
Cd 226.502	0.0000	ppb	2.402	7.6	31.7598
Co 228.615	0.0000	ppb	3.313	96.4	-3.4368
Cr 267.716	0.0000	ppb	5.964	41.5	-14.3605
Cu 324.754	0.0000	ppb	16.851	7.9	214.559
Fe 271.441	0.0000	ppb	9.177	8.6	106.367
K 766.491	0.0000	ppb	5.620	2.3	245.956
Mg 279.078	0.0000	ppb	0.243	0.3	84.8242
Mn 257.610	0.0000	ppb	3.066	1.6	187.311
Mo 202.032	0.0000	ppb	1.562	10.2	15.3705
Na 330.237	0.0000	ppb	2.759	5.0	55.3641
Ni 231.604	0.0000	ppb	2.188	83.5	-2.6222
Pb 220.353	0.0000	ppb	0.772	2.5	31.2865
Sb 206.834	0.0000	ppb	2.501	219.0	-1.1416
Se 196.026	0.0000	ppb	1.328	11.7	11.3792
Sn 189.925	0.0000	ppb	0.863	11.8	-7.3173
Sr 216.596	0.0000	ppb	2.545	8.8	28.9134
Ti 334.941	0.0000	ppb	8.994	174.1	-5.1647
Tl 190.794	0.0000	ppb	0.800	6.3	-12.6935
V 292.401	0.0000	ppb	1.648	42.9	3.8403
Zn 206.200	0.0000	ppb	1.108	153.5	0.7223

HIGH STD (Std)		4/19/2013, 11:36:29 AM		Rack S, Tube 2	
Label	Replicates	Concentration			
Ag 328.068	1003.95	999.417	996.634		
Al 308.215	10030.1	9988.74	9981.18		
As 188.980	998.027	999.169	1002.80		
B 249.678	997.249	1001.51	1001.24		
Ba 389.178	10016.8	10002.1	9981.11		
Be 313.042	1001.39	1000.16	998.453		
Ca 370.602	10016	9999	9986		
Cd 226.502	1001.37	1000.73	997.893		
Co 228.615	1001.31	1000.58	998.119		
Cr 267.716	10019.4	9996.75	9983.88		
Cu 324.754	10042.1	10072.7	9885.14		
Fe 271.441	9994.08	10017.8	9988.09		
K 766.491	20017.9	19977.2	20004.9		
Mg 279.078	10020.2	10017.5	9962.24		
Mn 257.610	10003.6	10001.2	9995.14		
Mo 202.032	1001.13	999.836	999.033		
Na 330.237	15096.9	14829.0	15074.1		
Ni 231.604	5012.59	4998.92	4988.49		
Pb 220.353	998.464	1004.13	997.407		
Sb 206.834	1995.99	2008.30	1995.70		
Se 196.026	10017.3	9992.61	9990.08		
Sn 189.925	10036.3	9960.89	10002.8		
Sr 216.596	5003.99	5007.51	4988.49		
Ti 334.941	1000.96	999.964	999.071		
Tl 190.794	9992.13	10012.9	9994.99		
V 292.401	9996.83	10010.9	9992.30		
Zn 206.200	5003.60	5005.47	4990.93		
Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	268.250	0.4	72654.5
Al 308.215	10000.0	ppb	55.574	0.3	21115.8
As 188.980	1000.00	ppb	1.546	0.3	609.560
B 249.678	1000.00	ppb	27.731	0.2	11886.5
Ba 389.178	10000.0	ppb	359.936	0.2	200630
Be 313.042	1000.00	ppb	2476.550	0.1	1680347
Ca 370.602	10000	ppb	39.550	0.2	26091
Cd 226.502	1000.00	ppb	60.799	0.2	32858.4
Co 228.615	1000.00	ppb	15.714	0.2	9411.74
Cr 267.716	10000.0	ppb	549.999	0.2	306120
Cu 324.754	10000.0	ppb	5074.199	1.0	504401
Fe 271.441	10000.0	ppb	24.911	0.2	15947.1
K 766.491	20000.0	ppb	607.867	0.1	586073
Mg 279.078	10000.0	ppb	63.983	0.3	19634.2
Mn 257.610	10000.0	ppb	981.022	0.0	2239142
Mo 202.032	1000.00	ppb	7.229	0.1	6839.46
Na 330.237	15000.0	ppb	6.270	0.9	688.415
Ni 231.604	5000.00	ppb	30.094	0.2	12449.5
Pb 220.353	1000.00	ppb	6.018	0.4	1695.94
Sb 206.834	2000.00	ppb	6.957	0.4	1933.89
Se 196.026	10000.0	ppb	6.936	0.2	4623.58
Sn 189.925	10000.0	ppb	26.621	0.4	7034.37
Sr 216.596	5000.00	ppb	94.779	0.2	46862.6
Ti 334.941	1000.00	ppb	226.980	0.1	239719
Tl 190.794	10000.0	ppb	10.185	0.1	9043.62
V 292.401	10000.0	ppb	243.845	0.1	251855
Zn 206.200	5000.00	ppb	10.035	0.2	6345.31

Ag 328.068 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-8.5433	0.0000	0.0000	-	-
HIGH STD		72654.5	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 72.7 x + -8.5$

Al 308.215 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.7214	0.0000	0.0000	-	-
HIGH STD		21115.8	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 2.1 x + 3.7$

As 188.980 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.1233	0.0000	0.0000	-	-
HIGH STD		609.560	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 0.6 x + -10.1$

B 249.678 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		265.226	0.0000	0.0000	-	-
HIGH STD		11886.5	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 11.6 x + 265.2$

Ba 389.178 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		18.6851	0.0000	0.0000	-	-
HIGH STD		200630	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 20.1 x + 18.7$

Be 313.042 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-149.110	0.0000	0.0000	-	-
HIGH STD		1680347	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1680.5 x + -149.1$

Ca 370.602 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		72.88	0.0000	0.0000	-	-
HIGH STD		26091	10000	10000	0.0000	0.0

Curve Type: Linear Equation: $y = 2.6 x + 72.9$

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cd 226.502 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		31.7598	0.0000	0.0000	-
HIGH STD		32858.4	1000.00	1000.00	0.0000

Curve Type: Linear Equation: $y = 32.8 x + 31.8$

Co 228.615 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		-3.4368	0.0000	0.0000	-
HIGH STD		9411.74	1000.00	1000.000	-0.0001

Curve Type: Linear Equation: $y = 9.4 x + -3.4$

Cr 267.716 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		-14.3605	0.0000	0.0000	-
HIGH STD		306120	10000.0	10000.00	-0.0010

Curve Type: Linear Equation: $y = 30.6 x + -14.4$

Cu 324.754 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		214.559	0.0000	0.0000	-
HIGH STD		504401	10000.0	10000.00	-0.0010

Curve Type: Linear Equation: $y = 50.4 x + 214.6$

Fe 271.441 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		106.367	0.0000	0.0000	-
HIGH STD		15947.1	10000.0	10000.0	0.0000

Curve Type: Linear Equation: $y = 1.6 x + 106.4$

K 766.491 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		245.956	0.0000	0.0000	-
HIGH STD		586073	20000.0	20000.0	0.0000

Curve Type: Linear Equation: $y = 29.3 x + 246.0$

Mg 279.078 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error
Blank		84.8242	0.0000	0.0000	-
HIGH STD		19634.2	10000.0	10000.00	-0.0010

Curve Type: Linear Equation: $y = 2.0 x + 84.8$

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Mn 257.610 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		187.311	0.0000	0.0000	-	-
HIGH STD		2239142	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 223.9 x + 187.3$

Mo 202.032 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		15.3705	0.0000	0.0000	-	-
HIGH STD		6839.46	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: $y = 6.8 x + 15.4$

Na 330.237 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		55.3641	0.0000	0.0000	-	-
HIGH STD		688.415	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.0 x + 55.4$

Ni 231.604 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.6222	0.0000	0.0000	-	-
HIGH STD		12449.5	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 2.5 x + -2.6$

Pb 220.353 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		31.2865	0.0000	0.0000	-	-
HIGH STD		1695.94	1000.00	1000.00	0.0002	0.0

Curve Type: Linear Equation: $y = 1.7 x + 31.3$

Sb 206.834 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.1416	0.0000	0.0000	-	-
HIGH STD		1933.89	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.0 x + -1.1$

Se 196.026 Calibration (ppb)		4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000		
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.3792	0.0000	0.0000	-	-
HIGH STD		4623.58	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.5 x + 11.4$

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Sn 189.925 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-7.3173	0.0000	0.0000	-	-
HIGH STD		7034.37	10000.0	10000.0	0.0000	0.0
Curve Type: Linear	Equation: $y = 0.7 x + -7.3$					
Sr 216.596 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		28.9134	0.0000	0.0000	-	-
HIGH STD		46862.6	5000.00	5000.00	-0.0005	0.0
Curve Type: Linear	Equation: $y = 9.4 x + 28.9$					
Ti 334.941 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.1647	0.0000	0.0000	-	-
HIGH STD		239719	1000.00	1000.000	-0.0001	0.0
Curve Type: Linear	Equation: $y = 239.7 x + -5.2$					
Tl 190.794 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-12.6935	0.0000	0.0000	-	-
HIGH STD		9043.62	10000.0	10000.0	0.0000	0.0
Curve Type: Linear	Equation: $y = 0.9 x + -12.7$					
V 292.401 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.8403	0.0000	0.0000	-	-
HIGH STD		251855	10000.0	10000.0	0.0000	0.0
Curve Type: Linear	Equation: $y = 25.2 x + 3.8$					
Zn 206.200 Calibration (ppb)	4/19/2013, 11:36:29 AM		Correlation Coefficient: 1.000000			
Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.7223	0.0000	0.0000	-	-
HIGH STD		6345.31	5000.00	5000.00	0.0005	0.0
Curve Type: Linear	Equation: $y = 1.3 x + 0.7$					
Lab Control Sample (LCS)	4/19/2013, 11:39:53 AM		Rack S, Tube 2			
Weight: 1	Volume: 1		Dilution: 1			
Label	Replicates Concentration					
Ag 328.068	999.173	1004.16x	997.659			
Al 308.215	9970.06	9971.00	9951.41			
As 188.980	985.840	981.074	994.745			
B 249.678	1017.96	1017.40	1016.14			
Ba 389.178	9984.33	9983.12	9987.10			

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Label	Replicates	Concentration	
Be 313.042	996.562	998.076	999.364
Ca 370.602	9966	9953	9938
Cd 226.502	999.268	995.653	993.864
Co 228.615	999.404	999.180	999.878
Cr 267.716	9959.51	9975.97	9960.01
Cu 324.754	10038.0	10099.6	10023.3
Fe 271.441	9957.70	9969.38	9968.66
K 766.491	19972.9	19935.5	19995.0
Mg 279.078	9963.86	9956.98	9933.85
Mn 257.610	9972.73	9942.23	9923.88
Mo 202.032	998.082	1000.40	998.310
Na 330.237	15043.8	14712.1	14815.2
Ni 231.604	4994.76	4971.66	4976.56
Pb 220.353	1001.65	990.078	991.572
Sb 206.834	1982.31	1974.07	1983.12
Se 196.026	9981.46	9911.31	9947.06
Sn 189.925	9958.66	10041.4x	9976.54
Sr 216.596	4991.46	4986.44	4974.67
Ti 334.941	996.357	998.012	998.005
Tl 190.794	9989.85	9976.47	9982.69
V 292.401	9978.64	9995.68	9994.99
Zn 206.200	4999.37	4975.59	4979.67

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1000.33xb	ppb	3.4012	0.3	72563.6	100.03304
Al 308.215	9964.16b	ppb	11.0487	0.1	21023.5	99.64156
As 188.980	987.220b	ppb	6.9392	0.7	601.356	98.72200
B 249.678	1017.17b	ppb	0.9328	0.1	12074.3	20.34332*
Ba 389.178	9984.85b	ppb	2.0442	0.0	200375	99.84849
Be 313.042	998.000b	ppb	1.4024	0.1	1676524	99.80003
Ca 370.602	9952b	ppb	13.90	0.1	25751	99.52194
Cd 226.502	996.262b	ppb	2.7530	0.3	32757.3	99.62617
Co 228.615	999.487b	ppb	0.3562	0.0	9421.08	99.94874
Cr 267.716	9965.17b	ppb	9.3625	0.1	305016	99.65166
Cu 324.754	10053.6b	ppb	40.5019	0.4	507035	100.53632
Fe 271.441	9965.25b	ppb	6.5462	0.1	16121.3	99.65245
K 766.491	19967.8b	ppb	30.0857	0.2	585131	99.83921
Mg 279.078	9951.56b	ppb	15.7167	0.2	19390.7	99.51563
Mn 257.610	9946.28b	ppb	24.6750	0.2	2227197	99.46278
Mo 202.032	998.931b	ppb	1.2792	0.1	6813.97	99.89314
Na 330.237	14857.0b	ppb	169.748	1.1	643.175	99.04681
Ni 231.604	4981.00b	ppb	12.1730	0.2	12402.4	99.61991
Pb 220.353	994.434b	ppb	6.2965	0.6	1686.44	99.44344
Sb 206.834	1979.83b	ppb	5.0069	0.3	2005.58	39.59667*
Se 196.026	9946.61b	ppb	35.0744	0.4	4601.19	99.46611
Sn 189.925	9992.22xb	ppb	43.5605	0.4	7028.90	99.92216
Sr 216.596	4984.19b	ppb	8.6162	0.2	46614.0	99.68383
Ti 334.941	997.458b	ppb	0.9538	0.1	239148	99.74579
Tl 190.794	9983.01b	ppb	6.6949	0.1	9019.16	99.83006
V 292.401	9989.77b	ppb	9.6461	0.1	250870	99.89767
Zn 206.200	4984.87b	ppb	12.7138	0.3	6301.31	99.69749

Initial Calib Verif (ICV) 4/19/2013, 11:43:56 AM Rack S, Tube 3
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	989.535	972.342	966.449
Al 308.215	941.811	945.966	940.297

Label	Replicates	Concentration	
As 188.980	977.741	965.828	949.814
B 249.678	999.283	996.289	990.084
Ba 389.178	1037.70	1031.95	1028.31
Be 313.042	1039.81x	1036.36x	1030.65x
Ca 370.602	993.8	994.8	988.1
Cd 226.502	1044.30x	1039.39x	1035.94x
Co 228.615	1019.36	1000.10	986.708
Cr 267.716	1023.53	1021.99	1019.84
Cu 324.754	1037.58	1016.37	1016.85
Fe 271.441	978.679	966.413	960.922
K 766.491	9960.47	9887.98	9817.24
Mg 279.078	990.391	985.772	981.510
Mn 257.610	1066.48	1061.24	1055.48
Mo 202.032	1008.56x	1002.73x	996.364
Na 330.237	10464.1	10223.2	10389.8
Ni 231.604	1044.30	1040.48	1035.88
Pb 220.353	1008.77	998.007	996.464
Sb 206.834	974.647	967.297	956.279
Se 196.026	985.370	987.363	970.436
Sn 189.925	4945.46	4951.04	4874.98
Sr 216.596	5051.36x	5031.20x	5022.75x
Ti 334.941	977.546	973.839	969.773
Tl 190.794	1037.42	1028.34	1018.12
V 292.401	1004.89	998.890	990.484
Zn 206.200	1025.81	1026.56	1024.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	976.109b	ppb	11.9949	1.2	70708.4	97.61086
Al 308.215	942.691b	ppb	2.9353	0.3	2036.36	94.26914Q
As 188.980	964.461b	ppb	14.0134	1.5	587.267	96.44611
B 249.678	995.219b	ppb	4.6922	0.5	11829.7	99.52186
Ba 389.178	1032.65b	ppb	4.7370	0.5	20743.7	103.26530
Be 313.042	1035.60xb	ppb	4.6249	0.4	1740008	103.56046
Ca 370.602	992.3b	ppb	3.634	0.4	2764	99.22682
Cd 226.502	1039.88xb	ppb	4.2008	0.4	34169.6	103.98766
Co 228.615	1002.06b	ppb	16.4138	1.6	9424.17	100.20555
Cr 267.716	1021.79b	ppb	1.8561	0.2	31258.0	102.17873
Cu 324.754	1023.60b	ppb	12.1062	1.2	51841.2	102.35991
Fe 271.441	968.671b	ppb	9.0914	0.9	1794.21	96.86713
K 766.491	9888.57b	ppb	71.6180	0.7	289895	98.88567
Mg 279.078	985.891b	ppb	4.4416	0.5	1996.33	98.58909
Mn 257.610	1061.07b	ppb	5.5042	0.5	237764	106.10670Q
Mo 202.032	1002.55xb	ppb	6.1020	0.6	6855.06	100.25520
Na 330.237	10359.0b	ppb	123.352	1.2	479.823	103.59022
Ni 231.604	1040.22b	ppb	4.2159	0.4	2587.99	104.02179
Pb 220.353	1001.08b	ppb	6.7015	0.7	1695.75	100.10791
Sb 206.834	966.075b	ppb	9.2448	1.0	938.924	96.60747
Se 196.026	981.056b	ppb	9.2516	0.9	464.100	98.10561
Sn 189.925	4923.83b	ppb	42.3950	0.9	3459.89	98.47661
Sr 216.596	5035.10xb	ppb	14.6993	0.3	47144.8	100.70205
Ti 334.941	973.719b	ppb	3.8879	0.4	233422	97.37195
Tl 190.794	1027.96b	ppb	9.6559	0.9	917.336	102.79594
V 292.401	998.088b	ppb	7.2365	0.7	24916.5	99.80883
Zn 206.200	1025.74b	ppb	0.8544	0.1	1299.76	102.57428

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Initial Calib Blank (ICB)		4/19/2013, 11:47:21 AM		Rack S, Tube 1		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	0.2752	0.2521	0.3835			
Al 308.215	11.1086	9.4807	7.7408			
As 188.980	14.6527	7.5444	1.8248			
B 249.678	49.1316	44.5365	41.6468			
Ba 389.178	-1.0663u	-1.4199u	-0.9413u			
Be 313.042	0.4305	0.3594	0.3069			
Ca 370.602	3.277	4.162	3.446			
Cd 226.502	0.4214	0.8363	0.2563			
Co 228.615	0.0462	0.7253	0.0626			
Cr 267.716	1.0661	0.8262	0.7156			
Cu 324.754	-0.7517u	-0.2061u	0.2287			
Fe 271.441	2.9408	3.9757	-5.1507u			
K 766.491	4.3414	4.0638	2.4167			
Mg 279.078	-0.1067u	-3.7348u	1.2630			
Mn 257.610	0.6087	0.5008	0.4107			
Mo 202.032	5.8333	4.2828	3.5910			
Na 330.237	-62.8568u	171.406	-240.553u			
Ni 231.604	-0.5249u	-0.7936u	-0.3717u			
Pb 220.353	-1.6693u	-1.3519u	-2.8564u			
Sb 206.834	1.5944	8.3746	2.7728			
Se 196.026	-2.5562u	-1.8321u	-0.1558u			
Sn 189.925	2.1261	1.3683	3.8876			
Sr 216.596	2.2335	1.6384	0.8347			
Ti 334.941	1.1133	0.9611	0.7623			
Tl 190.794	4.4594	5.1502	5.6952			
V 292.401	0.9927	0.8378	0.4569			
Zn 206.200	-0.2192u	-0.7049u	0.0179			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3036	ppb	0.0702	23.1	13.4708	0.30358
Al 308.215	9.4433	ppb	1.6842	17.8	23.8780	9.44333
As 188.980	8.0073	ppb	6.4265	80.3	-5.1626	8.00726
B 249.678	45.1050	ppb	3.7747	8.4	789.402	45.10500
Ba 389.178	-1.1425	ppb	0.2483	21.7	-4.2183	-1.14249
Be 313.042	0.3656	ppb	0.0621	17.0	464.600	0.36559
Ca 370.602	3.629	ppb	0.4698	12.9	82.47	3.62851
Cd 226.502	0.5047	ppb	0.2989	59.2	48.3258	0.50466
Co 228.615	0.2780	ppb	0.3874	139.4	-0.9264	0.27803
Cr 267.716	0.8693	ppb	0.1792	20.6	12.2477	0.86930
Cu 324.754	-0.2430	ppb	0.4913	202.1	202.427	-0.24303
Fe 271.441	0.5886	ppb	4.9972	849.0	107.358	0.58861
K 766.491	3.6073	ppb	1.0404	28.8	351.618	3.60730
Mg 279.078	-0.8595	ppb	2.5825	300.5	83.1336	-0.85952
Mn 257.610	0.5067	ppb	0.0992	19.6	300.754	0.50674
Mo 202.032	4.5690	ppb	1.1482	25.1	46.5485	4.56901
Na 330.237	-44.0011	ppb	206.626	469.6	53.5029	-44.00114
Ni 231.604	-0.5634	ppb	0.2135	37.9	-4.0253	-0.56340
Pb 220.353	-1.9592	ppb	0.7930	40.5	28.0183	-1.95920
Sb 206.834	4.2473	ppb	3.6226	85.3	2.9124	4.24729
Se 196.026	-1.5147	ppb	1.2313	81.3	10.6808	-1.51470
Sn 189.925	2.4607	ppb	1.2926	52.5	-5.5846	2.46067
Sr 216.596	1.5689	ppb	0.7020	44.7	43.4845	1.56887
Ti 334.941	0.9456	ppb	0.1760	18.6	221.503	0.94559
Tl 190.794	5.1016	ppb	0.6193	12.1	-8.0753	5.10162
V 292.401	0.7625	ppb	0.2757	36.2	22.2035	0.76246
Zn 206.200	-0.3021	ppb	0.3684	152.0f	325	-0.3379

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

CRI (CRI)	4/19/2013, 11:50:45 AM		Rack S, Tube 4
Weight: 1	Volume: 1		Dilution: 1
Label	Replicates	Concentration	
Ag 328.068	10.1058	10.5241	10.0241
Al 308.215	196.327	201.894	200.918
As 188.980	27.1981	19.9016	22.3944
B 249.678	120.276	119.975	117.817
Ba 389.178	8.0205	8.2305	7.7687
Be 313.042	4.3235	4.3252	4.3092
Ca 370.602	487.6	490.8	490.2
Cd 226.502	5.4137	5.5637	5.5219
Co 228.615	10.5875	11.4112	9.6540
Cr 267.716	10.5380	10.6529	10.4731
Cu 324.754	20.3142	19.7009	20.3598
Fe 271.441	39.7226	41.7822	40.9941
K 766.491	1018.48	1021.27	1024.05
Mg 279.078	496.462	492.843	499.456
Mn 257.610	11.7016	11.5950	11.6327
Mo 202.032	11.9733	11.6738	11.3043
Na 330.237	1014.10	1071.07	978.216
Ni 231.604	42.4786	41.2388	40.6924
Pb 220.353	11.3369	11.9857	11.5865
Sb 206.834	21.7507	16.0570	20.8689
Se 196.026	25.3224	16.5768	11.7439
Sn 189.925	49.2593	49.7089	52.0293
Sr 216.596	10.4982	10.7389	10.8166
Ti 334.941	10.1666	10.2349	10.2227
Tl 190.794	24.6560	28.0832	23.7475
V 292.401	10.2613	10.1750	10.2678
Zn 206.200	21.4405	22.0171	20.2875

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.2180	ppb	0.2683	2.6	733.613	102.17998
Al 308.215	199.713	ppb	2.9727	1.5	425.856	99.85644
As 188.980	23.1647	ppb	3.7087	16.0	4.2321	115.82339
B 249.678	119.356	ppb	1.3413	1.1	1652.25	119.35590
Ba 389.178	8.0066	ppb	0.2312	2.9	180.506	80.06589
Be 313.042	4.3193	ppb	0.0088	0.2	7107.52	107.98264
Ca 370.602	489.5	ppb	1.744	0.4	1346	97.90736
Cd 226.502	5.4998	ppb	0.0774	1.4	212.384	109.99556
Co 228.615	10.5509	ppb	0.8792	8.3	95.7975	105.50903
Cr 267.716	10.5547	ppb	0.0910	0.9	308.722	105.54669
Cu 324.754	20.1250	ppb	0.3679	1.8	1229.47	100.62492
Fe 271.441	40.8330	ppb	1.0392	2.5	172.645	81.66599
K 766.491	1021.27	ppb	2.7886	0.3	30160.2	102.12672
Mg 279.078	496.254	ppb	3.3114	0.7	1054.75	99.25072
Mn 257.610	11.6431	ppb	0.0540	0.5	2797.06	116.43130
Mo 202.032	11.6505	ppb	0.3351	2.9	94.8543	116.50452
Na 330.237	1021.13	ppb	46.8226	4.6	98.2544	102.11266
Ni 231.604	41.4699	ppb	0.9153	2.2	100.657	103.67479
Pb 220.353	11.6364	ppb	0.3272	2.8	50.6317	116.36375
Sb 206.834	19.5588	ppb	3.0646	15.7	17.7677	97.79419
Se 196.026	17.8810	ppb	6.8826	38.5	19.6288	89.40518
Sn 189.925	50.3325	ppb	1.4865	3.0	28.1258	100.66500
Sr 216.596	10.6846	ppb	0.1660	1.6	128.079	106.84560
Ti 334.941	10.2081	ppb	0.0364	0.4	2443.81	102.08089
Tl 190.794	25.4956	ppb	2.2866	9.0	10.3838	101.98232
V 292.401	10.2347	ppb	0.0518	0.5	259.086	102.34676
Zn 206.200	21.2484	ppb	0.8807	4.1	27.6594	106.24195

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Interf Check A (ICSA)		4/19/2013, 11:54:11 AM		Rack S, Tube 5		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.8330u	0.0307u	-0.3670u			
Al 308.215	583979	578404	576525			
As 188.980	2.2552	-0.8928	6.0525			
B 249.678	8.1809u	6.7644u	4.6405u			
Ba 389.178	4.8728	4.2600	6.9220			
Be 313.042	-0.2162u	-0.2128u	-0.2040u			
Ca 370.602	508286	506258	502101			
Cd 226.502	6.1819	6.2089	5.9826			
Co 228.615	-0.8063u	0.8639	1.1884			
Cr 267.716	0.7707	0.8262	0.9536			
Cu 324.754	-0.4894	-0.7953	-1.2335u			
Fe 271.441	195301	194622	194621			
K 766.491	1.3109	1.2705	0.2854			
Mg 279.078	546658	544546	545124			
Mn 257.610	0.0343	-0.0336	0.0899			
Mo 202.032	3.7175	2.7421	1.2599u			
Na 330.237	128.972u	-244.204u	-261.741u			
Ni 231.604	4.9981	3.7585	2.2795			
Pb 220.353	8.4768	5.8150u	8.2893			
Sb 206.834	2.8056	-4.0100	-1.5454			
Se 196.026	-14.7657u	13.1418	-18.7427u			
Sn 189.925	2.3249	2.0659	1.2618			
Sr 216.596	7.5924	7.0666	7.0513			
Ti 334.941	-0.2487	-0.4047	-0.3734			
Tl 190.794	-2.3951u	-7.2307u	-5.9592u			
V 292.401	0.8462	0.8438	0.4183			
Zn 206.200	27.9665	29.1446	28.8935			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3898	ppb	0.4323	110.9	-44.5126	-0.38978
Al 308.215	579636	ppb	3876.61	0.7	1223738	-
As 188.980	2.4716	ppb	3.4777	140.7	-6.3006	2.47160
B 249.678	6.5286	ppb	1.7820	27.3	114.733	6.52859
Ba 389.178	5.3516	ppb	1.3941	26.0	1409.84	5.35159
Be 313.042	-0.2110	ppb	0.0063	3.0	-322.317	-0.21099
Ca 370.602	505548	ppb	3153	0.6	1302417	-
Cd 226.502	6.1245	ppb	0.1236	2.0	656.692	6.12447
Co 228.615	0.4153	ppb	1.0704	257.7	-4.8163	0.41534
Cr 267.716	0.8502	ppb	0.0937	11.0	44.4810	0.85015
Cu 324.754	-0.8394	ppb	0.3740	44.6	230.594	-0.83939
Fe 271.441	194848	ppb	392.301	0.2	308760	-
K 766.491	0.9556	ppb	0.5808	60.8	273.947	0.95561
Mg 279.078	545443	ppb	1091.34	0.2	1066275	-
Mn 257.610	0.0302	ppb	0.0619	205.1	3801.07	0.03016
Mo 202.032	2.5732	ppb	1.2375	48.1	23.7154	2.57316
Na 330.237	-125.657	ppb	220.690	175.6	1.7940	-125.65745
Ni 231.604	3.6787	ppb	1.3611	37.0	10.5727	3.67870
Pb 220.353	7.5270	ppb	1.4856	19.7	33.9613	7.52704
Sb 206.834	-0.9166	ppb	3.4510	376.5	2.2601	-0.91660
Se 196.026	-6.7889	ppb	17.3746	255.9	7.1844	-6.78885
Sn 189.925	1.8842	ppb	0.5543	29.4	-5.8145	1.88423
Sr 216.596	7.2368	ppb	0.3081	4.3	211.018	7.23677
Ti 334.941	-0.3423	ppb	0.0825	24.1	2067.17	-0.34231
Tl 190.794	-5.1950	ppb	2.5068	48.3	-26.5019	-5.19497
V 292.401	0.7028	ppb	0.2463	35.1	23.9572	0.70276
Zn 206.200	28.6682	ppb	0.6205	2.2	325.0961	28.66817

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Interf Check AB (ICSAB)		4/19/2013, 11:57:37 AM		Rack S, Tube 6		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	224.469	223.788	223.373			
Al 308.215	589636	588487	590342			
As 188.980	114.976	121.304	92.9339			
B 249.678	-3.7515u	-3.2707u	-4.7275u			
Ba 389.178	541.262	541.261	538.780			
Be 313.042	520.057	518.051	516.941			
Ca 370.602	513950	513062	512044			
Cd 226.502	1043.09	1037.07	1036.66			
Co 228.615	516.213	520.183	516.544			
Cr 267.716	526.675	525.363	526.801			
Cu 324.754	577.892	578.291	581.185			
Fe 271.441	196980	197147	196851			
K 766.491	-0.4865u	-0.4327u	-1.5518u			
Mg 279.078	553344	552465	553669			
Mn 257.610	526.212	526.907	525.686			
Mo 202.032	1093.58	1095.38	1097.11			
Na 330.237	-152.804u	-501.636u	-464.357u			
Ni 231.604	1012.97	1015.01	1017.59			
Pb 220.353	56.8916	58.3025	60.4248			
Sb 206.834	631.082	634.076	641.081			
Se 196.026	49.9440	39.0764	41.2971			
Sn 189.925	1053.22	1061.44	1056.20			
Sr 216.596	8.3492	8.4632	8.8243			
Ti 334.941	-6.8158	-6.7060	-6.7618			
Tl 190.794	91.8133	86.5301	92.7820			
V 292.401	509.872	510.552	509.846			
Zn 206.200	1010.96	1012.67	1010.90			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	223.877	ppb	0.5537	0.2	16256.7	111.93838
Al 308.215	589488	ppb	936.173	0.2	1244589	117.89764
As 188.980	109.738	ppb	14.8927	13.6	59.9087	109.73792
B 249.678	-3.9166	ppb	0.7423	19.0	-8.9204	-
Ba 389.178	540.434	ppb	1.4331	0.3	12167.9	108.08689
Be 313.042	518.350	ppb	1.5791	0.3	870951	103.66996
Ca 370.602	513019	ppb	953.6	0.2	1321739	102.60376
Cd 226.502	1038.94	ppb	3.6001	0.3	34564.7	103.89380
Co 228.615	517.647	ppb	2.2028	0.4	4835.59	103.52936
Cr 267.716	526.279	ppb	0.7965	0.2	16122.0	105.25587
Cu 324.754	579.123	ppb	1.7972	0.3	29497.5	115.82458
Fe 271.441	196993	ppb	148.382	0.1	312237	98.49646
K 766.491	-0.8237	ppb	0.6312	76.6	221.829	-
Mg 279.078	553159	ppb	622.542	0.1	1081351	110.63181
Mn 257.610	526.268	ppb	0.6122	0.1	121672	105.25368
Mo 202.032	1095.36	ppb	1.7639	0.2	7479.99	109.53572
Na 330.237	-372.932	ppb	191.546	51.4	-15.0858	-
Ni 231.604	1015.19	ppb	2.3155	0.2	2529.71	101.51904
Pb 220.353	58.5396	ppb	1.7785	3.0	117.271	117.07925
Sb 206.834	635.413	ppb	5.1319	0.8	612.666	105.90215
Se 196.026	43.4392	ppb	5.7417	13.2	30.4612	86.87832
Sn 189.925	1056.95	ppb	4.1587	0.4	737.135	105.69536
Sr 216.596	8.5456	ppb	0.2480	2.9	174.981	-
Ti 334.941	-6.7612	ppb	0.0549	0.8	558.635	-
Tl 190.794	90.3751	ppb	3.3650	3.7	59.3000	90.37511
V 292.401	510.090	ppb	0.4002	0.1	12625.8	102.01794
Zn 206.200	1011.51	ppb	1.0060	0.1	1282.93	101.15096

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

LRA1 (Samp)	4/19/2013, 12:01:04 PM			Rack S, Tube 7	
Weight: 1	Volume: 1			Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	-0.3945	-0.1911	-0.2458		
Al 308.215	388.070	424.780	415.330		
As 188.980	19797.4x	19778.9x	19861.6x		
B 249.678	5264.39x	5291.75x	5314.15x		
Ba 389.178	-2.1922u	-3.0226u	-2.7497u		
Be 313.042	0.2788	0.3095	0.3101		
Ca 370.602	1907	1923	1910		
Cd 226.502	-0.6088u	-0.6216u	-0.5990u		
Co 228.615	11160.2	11129.7	11106.2		
Cr 267.716	7.8245	7.7305	7.5735		
Cu 324.754	-6.4424u	-6.5757u	-6.6078u		
Fe 271.441	56.0563	60.3320	50.5741		
K 766.491	-0.8858u	0.2982	-0.8790u		
Mg 279.078	290.591	323.399	314.319		
Mn 257.610	30117.0x	30047.6x	30094.7x		
Mo 202.032	5.1661	4.3124	3.9448		
Na 330.237	124424x	124223x	124268x		
Ni 231.604	11103.9x	11116.2x	11086.8x		
Pb 220.353	21261.2x	21148.3x	21126.6x		
Sb 206.834	12.2570	10.6076	8.3814		
Se 196.026	-9.0089	0.4518	-2.0207		
Sn 189.925	4.0496	1.1064	1.0151		
Sr 216.596	-3.9838u	-3.8683u	-4.0817u		
Ti 334.941	33745.8	33717.6	33813.2		
Tl 190.794	98.2980	98.4666	101.000		
V 292.401	-5.7003	-5.1887	-5.3592		
Zn 206.200	60.4568	59.7044	58.4990		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2771b	ppb	0.1052	38.0	106.393
Al 308.215	409.393b	ppb	19.0611	4.7	868.152
As 188.980	19812.6xb	ppb	43.4091	0.2	12267.4
B 249.678	5290.10xb	ppb	24.9222	0.5	61741.6
Ba 389.178	-2.6548b	ppb	0.4232	15.9	-34.1319
Be 313.042	0.2995b	ppb	0.0179	6.0	325.884
Ca 370.602	1913b	ppb	8.548	0.4	10765
Cd 226.502	-0.6098b	ppb	0.0113	1.9	13.5708
Co 228.615	11132.0b	ppb	27.0599	0.2	105520
Cr 267.716	7.7095b	ppb	0.1268	1.6	347.046
Cu 324.754	-6.5420b	ppb	0.0877	1.3	-115.192
Fe 271.441	55.6542b	ppb	4.8914	8.8	1801.16
K 766.491	-0.4888b	ppb	0.6816	139.4	231.637
Mg 279.078	309.437b	ppb	16.9403	5.5	242.816
Mn 257.610	30086.4xb	ppb	35.4134	0.1	6736404
Mo 202.032	4.4745b	ppb	0.6266	14.0	45.8327
Na 330.237	124305xb	ppb	105.284	0.1	5086.57
Ni 231.604	11102.3xb	ppb	14.7384	0.1	27646.8
Pb 220.353	21178.7xb	ppb	72.2794	0.3	35271.1
Sb 206.834	10.4153b	ppb	1.9450	18.7	8.9152
Se 196.026	-3.5259b	ppb	4.9067	139.2	16.6858
Sn 189.925	2.0570b	ppb	1.7262	83.9	-5.8361
Sr 216.596	-3.9779b	ppb	0.1068	2.7	-171.872
Ti 334.941	33758.9b	ppb	49.1500	0.1	8092796
Tl 190.794	99.2547b	ppb	1.5135	1.5	42.5870
V 292.401	-5.4161b	ppb	0.2605	4.8	353.241
Zn 206.200	59.5534b	ppb	0.9876	158.0f	76.2851

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

LRA2 (Samp)	4/19/2013, 12:06:07 PM			Rack S, Tube 8
Weight: 1	Volume: 1			Dilution: 1
Label	Replicates	Concentration		
Ag 328.068	-0.3687u	-0.5865u	-1.5944u	
Al 308.215	996636x	995717x	1001962x	
As 188.980	72.4742	65.3078	58.3272	
B 249.678	74.0082u	60.1246u	47.3433u	
Ba 389.178	44.5774	44.1092	40.6829	
Be 313.042	-0.1994u	-0.1981u	-0.1886u	
Ca 370.602	819719	818365	822624	
Cd 226.502	26.3617	25.5172	25.2981	
Co 228.615	12.6822	14.2683	13.7991	
Cr 267.716	9.2970	8.8266	8.3348	
Cu 324.754	-3.6734	-4.4631	-4.8392	
Fe 271.441	930571	932685	932550	
K 766.491	460217x	457641x	457509x	
Mg 279.078	884868x	880845x	880001x	
Mn 257.610	21.3263	21.3132	21.4225	
Mo 202.032	4.3278u	7.1417	5.5336u	
Na 330.237	-8503.95u	-8337.27u	-8600.89u	
Ni 231.604	14.1773	10.8442	10.1883	
Pb 220.353	41.0836	36.4461	34.8725	
Sb 206.834	-0.6899	13.6708	-3.2918	
Se 196.026	5.5589u	9.5515u	7.7571u	
Sn 189.925	-1.7844u	-3.3459u	-6.9332u	
Sr 216.596	38.9340	38.1301	40.1470	
Ti 334.941	14.2959	13.6714	13.5482	
Tl 190.794	-39.6734u	-41.4952u	-47.2659u	
V 292.401	6.0142	5.7913	6.2058	
Zn 206.200	29513.5	29561.4	29361.4	

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8499b	ppb	0.6539	76.9	-86.6292
Al 308.215	998105xb	ppb	3371.40	0.3	2107215
As 188.980	65.3697b	ppb	7.0737	10.8	27.6456
B 249.678	60.4921b	ppb	13.3362	22.0	-108.305
Ba 389.178	43.1232b	ppb	2.1262	4.9	3096.76
Be 313.042	-0.1953b	ppb	0.0059	3.0	-216.719
Ca 370.602	820236b	ppb	2176	0.3	2072332
Cd 226.502	25.7257b	ppb	0.5616	2.2	2874.85
Co 228.615	13.5832b	ppb	0.8148	6.0	99.4235
Cr 267.716	8.8195b	ppb	0.4812	5.5	400.869
Cu 324.754	-4.3253b	ppb	0.5950	13.8	274.084
Fe 271.441	931935b	ppb	1183.06	0.1	1476363
K 766.491	458456xb	ppb	1526.99	0.3	13429024
Mg 279.078	881905xb	ppb	2600.80	0.3	1724062
Mn 257.610	21.3540b	ppb	0.0597	0.3	12406.8
Mo 202.032	5.6677b	ppb	1.4117	24.9	10.1834
Na 330.237	-8480.71b	ppb	133.337	1.6	-711.650
Ni 231.604	11.7366b	ppb	2.1390	18.2	45.2392
Pb 220.353	37.4674b	ppb	3.2290	8.6	77.3089
Sb 206.834	3.2297b	ppb	9.1354	282.9	22.5328
Se 196.026	7.6225b	ppb	1.9997	26.2	9.8269
Sn 189.925	-4.0211b	ppb	2.6400	65.7	-9.8854
Sr 216.596	39.0704b	ppb	1.0154	2.6	796.473
Ti 334.941	13.8385b	ppb	0.4009	2.9	6842.16
Tl 190.794	-42.8115b	ppb	3.9637	9.3	-94.7599
V 292.401	6.0037b	ppb	0.2074	3.5	158.821
Zn 206.200	29478.8b	ppb	104.411	159.04f	37406.8

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

RINSE (Samp)	4/19/2013, 12:11:43 PM		Rack S, Tube 1		
Weight: 1	Volume: 1		Dilution: 1		
Label	Replicates	Concentration			
Ag 328.068	-0.1603u	0.4145	-0.4534u		
Al 308.215	94.4070	93.5776	88.8525		
As 188.980	21.6892	15.7005	15.2401		
B 249.678	34.4823	32.5113	30.1398		
Ba 389.178	-2.8783u	-1.7756u	-2.4642u		
Be 313.042	0.0347	0.0374	0.0301		
Ca 370.602	81.25	73.99	73.63		
Cd 226.502	0.0929	0.1326	0.0975		
Co 228.615	-0.3412u	-0.1646u	0.1269		
Cr 267.716	0.5297	0.4180	0.2017		
Cu 324.754	-0.0487u	-0.5260u	-0.0239u		
Fe 271.441	121.572	109.322	104.688		
K 766.491	40.0965	38.2427	33.7661		
Mg 279.078	80.3852	76.1738	75.3569		
Mn 257.610	0.4953	0.4948	0.4512		
Mo 202.032	0.4932	0.4498	0.0201		
Na 330.237	176.562	84.4154	101.432		
Ni 231.604	-1.4245u	-1.8265u	-0.2356u		
Pb 220.353	-0.2463u	-2.5031u	-1.4662u		
Sb 206.834	-6.7160u	-4.1628u	-1.0590u		
Se 196.026	-4.1070u	6.2898	-3.4368u		
Sn 189.925	-2.1756u	-0.9690u	-1.4813u		
Sr 216.596	0.1958	0.0956	0.4564		
Ti 334.941	2.0932	1.9984	1.7762		
Tl 190.794	5.3536	2.5032	1.4154		
V 292.401	-0.1058u	0.1074	-0.1023u		
Zn 206.200	3.6324	4.4539	4.3382		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0664	ppb	0.4415	664.8	-13.3523
Al 308.215	92.2790	ppb	2.9963	3.2	198.558
As 188.980	17.5432	ppb	3.5979	20.5	0.7474
B 249.678	32.3778	ppb	2.1743	6.7	641.369
Ba 389.178	-2.3727	ppb	0.5570	23.5	-28.7156
Be 313.042	0.0341	ppb	0.0037	10.9	-91.8939
Ca 370.602	76.29	ppb	4.299	5.6	264.4
Cd 226.502	0.1076	ppb	0.0217	20.2	35.5288
Co 228.615	-0.1263	ppb	0.2364	187.1	-4.5967
Cr 267.716	0.3831	ppb	0.1667	43.5	-2.6100
Cu 324.754	-0.1995	ppb	0.2830	141.8	204.541
Fe 271.441	111.861	ppb	8.7238	7.8	283.562
K 766.491	37.3684	ppb	3.2545	8.7	1340.53
Mg 279.078	77.3053	ppb	2.6984	3.5	235.939
Mn 257.610	0.4804	ppb	0.0253	5.3	295.598
Mo 202.032	0.3211	ppb	0.2615	81.4	17.5563
Na 330.237	120.803	ppb	49.0323	40.6	60.3976
Ni 231.604	-1.1622	ppb	0.8273	71.2	-5.5144
Pb 220.353	-1.4052	ppb	1.1296	80.4	28.9445
Sb 206.834	-3.9793	ppb	2.8330	71.2	-4.9939
Se 196.026	-0.4180	ppb	5.8188	1392.0	11.1860
Sn 189.925	-1.5420	ppb	0.6056	39.3	-8.4031
Sr 216.596	0.2493	ppb	0.1862	74.7	31.3017
Ti 334.941	1.9559	ppb	0.1627	8.3	464.012
Tl 190.794	3.0907	ppb	2.0338	65.8	-9.9004
V 292.401	-0.0336	ppb	0.1221	363.8	2.9586
Zn 206.200	4.1415	ppb	0.4447	160.7	325.9772

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)		4/19/2013, 12:17:27 PM		Rack 1, Tube 1		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	482.458	480.774	478.892			
Al 308.215	4935.48	4944.24	4944.82			
As 188.980	473.869	463.204	467.731			
B 249.678	506.108	506.886	507.884			
Ba 389.178	5129.56	5122.33	5097.84			
Be 313.042	513.267	511.823	507.884			
Ca 370.602	4937	4930	4917			
Cd 226.502	515.638	515.773	513.747			
Co 228.615	519.363	519.732	514.973			
Cr 267.716	5153.61	5140.66	5146.25			
Cu 324.754	5011.23	5034.42	5107.86			
Fe 271.441	4941.82	4938.50	4915.78			
K 766.491	10030.5	9982.05	9948.36			
Mg 279.078	4918.39	4919.64	4894.75			
Mn 257.610	5180.23	5189.41	5167.26			
Mo 202.032	496.407	495.131	498.708			
Na 330.237	7282.63	7123.23	7143.05			
Ni 231.604	2607.92	2614.82	2597.51			
Pb 220.353	497.428	493.021	495.059			
Sb 206.834	934.879	931.023	926.722			
Se 196.026	4942.92	4963.09	4931.81			
Sn 189.925	5020.99	5000.98	4997.05			
Sr 216.596	2511.30	2512.89	2506.36			
Ti 334.941	497.788	496.570	495.183			
Tl 190.794	5036.04	5048.49	5020.29			
V 292.401	4952.78	4945.74	4918.35			
Zn 206.200	2566.05	2571.77	2561.61			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	480.708	ppb	1.7841	0.4	34864.0	96.14164
Al 308.215	4941.51	ppb	5.2355	0.1	10428.1	98.83028
As 188.980	468.268	ppb	5.3525	1.1	279.913	93.65359
B 249.678	506.959	ppb	0.8900	0.2	6150.95	20.27838Q
Ba 389.178	5116.57	ppb	16.6273	0.3	102687	102.33150
Be 313.042	510.992	ppb	2.7861	0.5	858341	102.19830
Ca 370.602	4928	ppb	10.17	0.2	12795	98.56322
Cd 226.502	515.053	ppb	1.1325	0.2	16949.9	103.01054
Co 228.615	518.023	ppb	2.6474	0.5	4881.27	103.60455
Cr 267.716	5146.84	ppb	6.4938	0.1	157530	102.93684
Cu 324.754	5051.17	ppb	50.4471	1.0	254853	101.02343
Fe 271.441	4932.03	ppb	14.1708	0.3	8036.43	98.64069
K 766.491	9986.98	ppb	41.3065	0.4	292778	99.86980
Mg 279.078	4910.93	ppb	14.0206	0.3	9607.92	98.21853
Mn 257.610	5178.97	ppb	11.1261	0.2	1159776	103.57938
Mo 202.032	496.749	ppb	1.8127	0.4	3396.23	99.34975
Na 330.237	7182.97	ppb	86.8759	1.2	338.506	95.77294
Ni 231.604	2606.75	ppb	8.7145	0.3	6489.40	104.26985
Pb 220.353	495.169	ppb	2.2056	0.4	855.502	99.03381
Sb 206.834	930.875	ppb	4.0808	0.4	946.493	93.08747
Se 196.026	4945.94	ppb	15.8563	0.3	2293.71	98.91877
Sn 189.925	5006.34	ppb	12.8366	0.3	3517.99	100.12675
Sr 216.596	2510.18	ppb	3.4037	0.1	23489.3	100.40738
Ti 334.941	496.514	ppb	1.3033	0.3	119040	99.30273
Tl 190.794	5034.94	ppb	14.1334	0.3	4542.29	100.69882
V 292.401	4938.96	ppb	18.1897	0.4	124021	98.77913
Zn 206.200	2566.48	ppb	5.0923	0.2	3244.63	102.65905

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/19/2013, 12:23:01 PM		Rack 1, Tube 2		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.5076u	-0.2622u	0.2450			
Al 308.215	-8.5509u	-9.6523u	-10.4664u			
As 188.980	6.9790	9.4526	7.7870			
B 249.678	14.5278	14.1620	13.4116			
Ba 389.178	-2.0039u	-2.5009u	-1.3110u			
Be 313.042	-0.0516u	-0.0571u	-0.0697u			
Ca 370.602	-21.09u	-13.40u	-21.27u			
Cd 226.502	-0.2192u	-0.0289u	0.0006			
Co 228.615	-0.0129u	-0.8749u	-0.5137u			
Cr 267.716	0.2840	0.4220	0.4263			
Cu 324.754	-0.4581u	-0.8520u	-1.1866u			
Fe 271.441	-6.3270u	2.5910	-4.7240u			
K 766.491	2.8023	3.0830	2.9906			
Mg 279.078	-20.9530u	-17.6387u	-21.4549u			
Mn 257.610	0.0486	-0.0967u	-0.2235u			
Mo 202.032	0.9786	0.3079	0.3334			
Na 330.237	-160.471u	70.6608	-23.5886u			
Ni 231.604	-1.0235u	-1.5622u	-1.4342u			
Pb 220.353	-1.6902u	-2.4438u	-1.2051u			
Sb 206.834	9.1726	4.0523	3.4764			
Se 196.026	0.1753	0.4578	-2.2356u			
Sn 189.925	-1.9117u	-0.6396u	-1.8264u			
Sr 216.596	-0.7512u	-0.9643u	-0.5777u			
Ti 334.941	0.3803	0.3451	0.2528			
Tl 190.794	5.4866	2.0126	1.4286			
V 292.401	0.5201	-0.0959u	-0.1029u			
Zn 206.200	0.6063	0.4349	-0.0548u			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1750	ppb	0.3838	219.4	-21.1992	-0.17497
Al 308.215	-9.5565	ppb	0.9613	10.1	-16.4422	-9.55650
As 188.980	8.0729	ppb	1.2613	15.6	-5.1209	8.07286
B 249.678	14.0338	ppb	0.5690	4.1	428.322	14.03380
Ba 389.178	-1.9386	ppb	0.5976	30.8	-20.2548	-1.93860
Be 313.042	-0.0595	ppb	0.0093	15.6	-249.116	-0.05948
Ca 370.602	-18.59	ppb	4.494	24.2	24.89	-18.58727
Cd 226.502	-0.0825	ppb	0.1193	144.6	29.0410	-0.08249
Co 228.615	-0.4672	ppb	0.4329	92.7	-7.8340	-0.46717
Cr 267.716	0.3774	ppb	0.0809	21.4	-2.8057	0.37743
Cu 324.754	-0.8323	ppb	0.3647	43.8	172.603	-0.83226
Fe 271.441	-2.8200	ppb	4.7541	168.6	101.867	-2.81999
K 766.491	2.9587	ppb	0.1430	4.8	332.619	2.95866
Mg 279.078	-20.0155	ppb	2.0736	10.4	45.6984	-20.01552
Mn 257.610	-0.0906	ppb	0.1362	150.4	166.900	-0.09055
Mo 202.032	0.5400	ppb	0.3800	70.4	19.0554	0.53998
Na 330.237	-37.7997	ppb	116.219	307.5	53.7660	-37.79972
Ni 231.604	-1.3400	ppb	0.2815	21.0	-5.9595	-1.34001
Pb 220.353	-1.7797	ppb	0.6242	35.1	28.3237	-1.77969
Sb 206.834	5.5671	ppb	3.1357	56.3	4.2379	5.56707
Se 196.026	-0.5342	ppb	1.4803	277.1	11.1329	-0.53419
Sn 189.925	-1.4592	ppb	0.7111	48.7	-8.3448	-1.45923
Sr 216.596	-0.7644	ppb	0.1936	25.3	21.7671	-0.76440
Ti 334.941	0.3261	ppb	0.0658	20.2	72.9105	0.32607
Tl 190.794	2.9759	ppb	2.1938	73.7	-9.9982	2.97595
V 292.401	0.1071	ppb	0.3577	334.0	6.4961	0.10710
Zn 206.200	0.3288	ppb	0.3431	104.3	3251396	0.32883

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

mb 680-273505/1-a (Samp)		4/19/2013, 12:28:35 PM		Rack 1, Tube 3	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.2610u	-0.2994u	-0.6849u		
Al 308.215	-11.3701u	-9.6719u	-5.4205u		
As 188.980	4.9298	9.7711	2.6251		
B 249.678	4.3236	3.4227	3.5513		
Ba 389.178	-1.7037u	-3.1373u	-2.6233u		
Be 313.042	-0.0821u	-0.0823u	-0.0841u		
Ca 370.602	-17.32u	-20.91u	-13.69u		
Cd 226.502	-0.0768u	-0.2347u	-0.2680u		
Co 228.615	0.0454	-0.2846u	-0.5879u		
Cr 267.716	-0.0619u	0.0977	0.1413		
Cu 324.754	-1.0374u	-1.7565u	-0.6866u		
Fe 271.441	-2.5514u	-0.7993u	0.1440		
K 766.491	4.4089	4.8599	5.1754		
Mg 279.078	-17.1149u	-20.3814u	-16.9722u		
Mn 257.610	-0.2815u	-0.2545u	-0.1941u		
Mo 202.032	0.2094	0.5835	0.2069		
Na 330.237	105.386	124.723	216.343		
Ni 231.604	-2.6365u	-1.0229u	-1.5876u		
Pb 220.353	-2.9892u	-2.6826u	-0.5942u		
Sb 206.834	-4.3144u	1.7486	0.1569		
Se 196.026	-13.8745u	-4.3178u	7.4760		
Sn 189.925	-2.1099u	0.6436	-1.1216u		
Sr 216.596	-0.0250u	-0.7403u	-0.4159u		
Ti 334.941	0.0769	0.0940	0.1182		
Tl 190.794	-1.0705u	0.5033	-1.7551u		
V 292.401	-0.4496u	-0.2926u	-0.0355u		
Zn 206.200	0.0965	0.0938	-1.2513u		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4151	ppb	0.2345	56.5	-38.6507
Al 308.215	-8.8209	ppb	3.0647	34.7	-14.8906
As 188.980	5.7753	ppb	3.6473	63.2	-6.5446
B 249.678	3.7659	ppb	0.4873	12.9	308.992
Ba 389.178	-2.4881	ppb	0.7263	29.2	-31.2733
Be 313.042	-0.0828	ppb	0.0011	1.3	-288.365
Ca 370.602	-17.31	ppb	3.606	20.8	27.99
Cd 226.502	-0.1932	ppb	0.1021	52.9	25.4132
Co 228.615	-0.2757	ppb	0.3168	114.9	-6.0358
Cr 267.716	0.0591	ppb	0.1070	181.1	-12.5483
Cu 324.754	-1.1602	ppb	0.5454	47.0	156.072
Fe 271.441	-1.0689	ppb	1.3678	128.0	104.643
K 766.491	4.8147	ppb	0.3852	8.0	386.986
Mg 279.078	-18.1562	ppb	1.9284	10.6	49.3363
Mn 257.610	-0.2433	ppb	0.0447	18.4	132.713
Mo 202.032	0.3333	ppb	0.2167	65.0	17.6455
Na 330.237	148.817	ppb	59.2726	39.8	61.6467
Ni 231.604	-1.7490	ppb	0.8188	46.8	-6.9780
Pb 220.353	-2.0887	ppb	1.3033	62.4	27.8095
Sb 206.834	-0.8029	ppb	3.1434	391.5	-1.9268
Se 196.026	-3.5721	ppb	10.6948	299.4	9.7317
Sn 189.925	-0.8626	ppb	1.3949	161.7	-7.9247
Sr 216.596	-0.3937	ppb	0.3582	91.0	25.2431
Ti 334.941	0.0964	ppb	0.0207	21.5	17.8482
Tl 190.794	-0.7741	ppb	1.1580	149.6	-13.3944
V 292.401	-0.2592	ppb	0.2090	80.6	-2.7037
Zn 206.200	-0.3537	ppb	0.774	169.8	325.2743

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Ics 680-273505/2-a (Samp)		4/19/2013, 12:34:09 PM		Rack 1, Tube 4	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	10.1514	10.3281	10.2088		
Al 308.215	5331.46	5308.76	5266.34		
As 188.980	103.534	108.290	105.133		
B 249.678	222.493	223.264	222.908		
Ba 389.178	101.958	102.136	102.476		
Be 313.042	53.0149	52.8663	52.7634		
Ca 370.602	5103	5081	5069		
Cd 226.502	53.6231	53.5291	53.5450		
Co 228.615	53.1957	52.7732	53.3108		
Cr 267.716	108.257	107.127	107.105		
Cu 324.754	105.255	104.113	102.650		
Fe 271.441	5037.17	5014.04	5017.42		
K 766.491	5031.18	5026.61	5017.38		
Mg 279.078	4979.58	4971.96	4972.24		
Mn 257.610	564.113	561.704	561.443		
Mo 202.032	102.742	102.197	101.268		
Na 330.237	5545.25	5262.48	5503.59		
Ni 231.604	102.766	102.841	104.925		
Pb 220.353	51.0470	50.6320	50.0176		
Sb 206.834	53.2527	47.3843	46.9806		
Se 196.026	96.9016	91.9385	103.594		
Sn 189.925	211.157	209.142	211.320		
Sr 216.596	105.324	104.707	103.444		
Ti 334.941	101.722	101.401	101.293		
Tl 190.794	36.3231	43.6866	38.9773		
V 292.401	102.262	101.275	101.905		
Zn 206.200	105.997	107.570	109.197		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.2294	ppb	0.0901	0.9	733.314
Al 308.215	5302.19	ppb	33.0502	0.6	11202.0
As 188.980	105.653	ppb	2.4202	2.3	55.3125
B 249.678	222.888	ppb	0.3858	0.2	2849.67
Ba 389.178	102.190	ppb	0.2633	0.3	2081.80
Be 313.042	52.8815	ppb	0.1264	0.2	88701.6
Ca 370.602	5084	ppb	17.05	0.3	12997
Cd 226.502	53.5657	ppb	0.0503	0.1	1800.89
Co 228.615	53.0932	ppb	0.2831	0.5	495.830
Cr 267.716	107.496	ppb	0.6590	0.6	3278.04
Cu 324.754	104.006	ppb	1.3056	1.3	5461.69
Fe 271.441	5022.88	ppb	12.4957	0.2	8071.60
K 766.491	5025.06	ppb	7.0273	0.1	147437
Mg 279.078	4974.59	ppb	4.3219	0.1	9800.98
Mn 257.610	562.420	ppb	1.4719	0.3	126152
Mo 202.032	102.069	ppb	0.7457	0.7	711.482
Na 330.237	5437.10	ppb	152.661	2.8	282.298
Ni 231.604	103.511	ppb	1.2253	1.2	255.265
Pb 220.353	50.5655	ppb	0.5179	1.0	115.286
Sb 206.834	49.2059	ppb	3.5105	7.1	46.6861
Se 196.026	97.4780	ppb	5.8490	6.0	56.4404
Sn 189.925	210.539	ppb	1.2133	0.6	140.941
Sr 216.596	104.491	ppb	0.9584	0.9	1005.17
Ti 334.941	101.472	ppb	0.2231	0.2	24339.6
Tl 190.794	39.6624	ppb	3.7292	9.4	22.2775
V 292.401	101.814	ppb	0.4998	0.5	2545.28
Zn 206.200	107.588	ppb	1.6004	1.55	325.979

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

lcs 680-273505/3-a (Samp)		4/19/2013, 12:39:44 PM		Rack 1, Tube 5	
Weight: 1		Volume: 1		Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	195.270	194.992	192.543		
Al 308.215	2278.52	2258.18	2218.49		
As 188.980	207.085	205.990	213.716		
B 249.678	394.265	397.319	401.840		
Ba 389.178	202.334	203.154	201.980		
Be 313.042	210.164	210.235	209.398		
Ca 370.602	20336	20305	20150		
Cd 226.502	207.052	208.028	209.036		
Co 228.615	208.682	208.574	208.994		
Cr 267.716	213.942	213.321	212.119		
Cu 324.754	206.444	211.429	209.828		
Fe 271.441	20666.5	20659.6	20599.5		
K 766.491	20099.0	20114.1	20019.0		
Mg 279.078	19919.6	19908.3	19886.1		
Mn 257.610	2168.61	2166.58	2164.38		
Mo 202.032	203.492	203.942	204.895		
Na 330.237	18344.9	18304.1	18238.9		
Ni 231.604	207.392	208.111	205.534		
Pb 220.353	199.781	196.892	196.753		
Sb 206.834	194.303	190.195	192.610		
Se 196.026	193.824	196.134	198.830		
Sn 189.925	212.364	212.389	211.217		
Sr 216.596	219.882	219.383	217.132		
Ti 334.941	203.291	203.218	202.028		
Tl 190.794	42.5018	41.3890	47.1683		
V 292.401	204.679	205.070	204.455		
Zn 206.200	197.902	199.894	196.725		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	194.268	ppb	1.5004	0.8	14108.6
Al 308.215	2251.73	ppb	30.5316	1.4	4766.13
As 188.980	208.930	ppb	4.1807	2.0	119.254
B 249.678	397.808	ppb	3.8110	1.0	4864.42
Ba 389.178	202.489	ppb	0.6021	0.3	4131.98
Be 313.042	209.932	ppb	0.4639	0.2	352609
Ca 370.602	20264	ppb	99.73	0.5	51506
Cd 226.502	208.039	ppb	0.9923	0.5	6905.16
Co 228.615	208.750	ppb	0.2181	0.1	1960.57
Cr 267.716	213.127	ppb	0.9269	0.4	6517.20
Cu 324.754	209.233	ppb	2.5448	1.2	10773.5
Fe 271.441	20641.9	ppb	36.8346	0.2	32836.6
K 766.491	20077.4	ppb	51.0954	0.3	588339
Mg 279.078	19904.7	ppb	16.9970	0.1	38967.9
Mn 257.610	2166.52	ppb	2.1152	0.1	485429
Mo 202.032	204.110	ppb	0.7164	0.4	1406.90
Na 330.237	18296.0	ppb	53.4832	0.3	819.959
Ni 231.604	207.012	ppb	1.3300	0.6	513.333
Pb 220.353	197.809	ppb	1.7093	0.9	360.552
Sb 206.834	192.369	ppb	2.0644	1.1	186.381
Se 196.026	196.263	ppb	2.5055	1.3	102.287
Sn 189.925	211.990	ppb	0.6697	0.3	141.972
Sr 216.596	218.799	ppb	1.4653	0.7	2078.03
Ti 334.941	202.845	ppb	0.7093	0.3	48699.3
Tl 190.794	43.6864	ppb	3.0664	7.0	23.1480
V 292.401	204.734	ppb	0.3113	0.2	5114.86
Zn 206.200	198.174	ppb	1.6919	0.8	251.668

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43207-g-1-a (Samp)	4/19/2013, 12:45:19 PM	Rack 1, Tube 6
Weight: 1	Volume: 1	Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	-0.2405u	-0.3674u	-0.0486u
Al 308.215	21699.6	21469.7	21406.3
As 188.980	6.5416	-2.1685u	4.2878
B 249.678	15.3064	14.0355	14.0970
Ba 389.178	8.0646	8.5493	8.2133
Be 313.042	0.3029	0.3123	0.3509
Ca 370.602	614.8	606.1	616.7
Cd 226.502	0.1504	0.1605	0.2417
Co 228.615	-0.4684	-0.5612	-0.4164
Cr 267.716	40.3344	39.7046	40.0152
Cu 324.754	9.1969	9.5908	8.8690
Fe 271.441	2181.43	2160.30	2171.04
K 766.491	112.640	111.903	112.876
Mg 279.078	143.784	140.108	147.296
Mn 257.610	19.1564	18.9327	19.4017
Mo 202.032	1.5754	1.5302	1.2466
Na 330.237	319.646	249.106	334.949
Ni 231.604	2.3455	1.7972	2.2635
Pb 220.353	32.7040	32.1632	31.2352
Sb 206.834	0.3123	1.6143	-0.3886
Se 196.026	-0.8373u	7.5872	7.2599
Sn 189.925	14.2871	12.8988	9.0583
Sr 216.596	16.5147	16.9070	16.7233
Ti 334.941	589.844	585.588	589.134
Tl 190.794	-4.2636u	1.4212	-4.9961u
V 292.401	20.6008	20.8529	20.8528
Zn 206.200	6.5250	4.5259	4.1931

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2188	ppb	0.1605	73.3	-24.8402
Al 308.215	21525.2	ppb	154.316	0.7	45447.8
As 188.980	2.8870	ppb	4.5209	156.6	-8.3518
B 249.678	14.4796	ppb	0.7167	4.9	430.994
Ba 389.178	8.2758	ppb	0.2483	3.0	185.583
Be 313.042	0.3221	ppb	0.0254	7.9	393.037
Ca 370.602	612.5	ppb	5.692	0.9	1612
Cd 226.502	0.1842	ppb	0.0501	27.2	42.4290
Co 228.615	-0.4820	ppb	0.0734	15.2	4.3628
Cr 267.716	40.0180	ppb	0.3149	0.8	1211.82
Cu 324.754	9.2189	ppb	0.3614	3.9	679.835
Fe 271.441	2170.92	ppb	10.5650	0.5	3545.63
K 766.491	112.473	ppb	0.5076	0.5	3540.45
Mg 279.078	143.729	ppb	3.5946	2.5	360.449
Mn 257.610	19.1636	ppb	0.2346	1.2	4484.48
Mo 202.032	1.4508	ppb	0.1782	12.3	25.1313
Na 330.237	301.234	ppb	45.7875	15.2	63.8068
Ni 231.604	2.1354	ppb	0.2958	13.9	2.7454
Pb 220.353	32.0341	ppb	0.7429	2.3	83.9406
Sb 206.834	0.5127	ppb	1.0163	198.2	-0.2431
Se 196.026	4.6699	ppb	4.7722	102.2	13.5257
Sn 189.925	12.0814	ppb	2.7085	22.4	1.1903
Sr 216.596	16.7150	ppb	0.1963	1.2	186.225
Ti 334.941	588.189	ppb	2.2800	0.4	140999
Tl 190.794	-2.6128	ppb	3.5127	134.4	-15.1763
V 292.401	20.7688	ppb	0.1455	0.7	532.759
Zn 206.200	5.0813	ppb	1.2613	24.8	325.0729

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43207-g-1-aSD^5 (Samp) 4/19/2013, 12:50:54 PM

Rack 1, Tube 7

Weight: 1 Volume: 1

Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	-0.5504u	-0.4022u	-0.6687u			
Al 308.215	4301.70	4280.00	4314.00			
As 188.980	-3.4566u	7.0015	-2.3267u			
B 249.678	2.6082	1.6735	1.3397			
Ba 389.178	-0.1144u	-1.0878u	-1.0692u			
Be 313.042	0.0034	0.0282	0.0360			
Ca 370.602	109.0	104.6	114.1			
Cd 226.502	-0.1362u	0.0596	0.2303			
Co 228.615	-0.8710u	-1.5075u	-0.9187u			
Cr 267.716	7.8324	8.0042	7.7876			
Cu 324.754	0.7196	0.7165	1.2631			
Fe 271.441	433.126	423.769	437.061			
K 766.491	31.8826	32.1081	31.7131			
Mg 279.078	9.9680	19.0270	16.9781			
Mn 257.610	4.7922	4.9121	5.1285			
Mo 202.032	0.5062	0.8862	0.4576			
Na 330.237	316.457	154.020	207.438			
Ni 231.604	-1.2889u	-0.3976u	-0.4056u			
Pb 220.353	6.1665	9.6588	4.2431			
Sb 206.834	-1.2933u	-4.0953u	-1.1914u			
Se 196.026	5.0167	1.7726	-4.5591u			
Sn 189.925	0.2995	6.4032	0.3848			
Sr 216.596	3.0479	2.5368	2.7969			
Ti 334.941	110.650	109.570	110.063			
Tl 190.794	-0.9631u	-0.0588u	-2.1416u			
V 292.401	3.8724	3.8603	3.0310			
Zn 206.200	1.1805	-0.3221u	0.5767			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5404	ppb	0.1335	24.7	-47.8389
Al 308.215	4298.57	ppb	17.2171	0.4	9078.91
As 188.980	0.4061	ppb	5.7397	1413.4	-9.8753
B 249.678	1.8738	ppb	0.6575	35.1	286.507
Ba 389.178	-0.7571	ppb	0.5567	73.5	3.6360
Be 313.042	0.0225	ppb	0.0170	75.5	-111.098
Ca 370.602	109.2	ppb	4.722	4.3	345.3
Cd 226.502	0.0512	ppb	0.1834	358.0	34.3540
Co 228.615	-1.0991	ppb	0.3545	32.3	-11.4854
Cr 267.716	7.8747	ppb	0.1144	1.5	226.928
Cu 324.754	0.8997	ppb	0.3147	35.0	260.025
Fe 271.441	431.319	ppb	6.8276	1.6	789.636
K 766.491	31.9013	ppb	0.1982	0.6	1180.39
Mg 279.078	15.3244	ppb	4.7505	31.0	113.698
Mn 257.610	4.9443	ppb	0.1704	3.4	1295.52
Mo 202.032	0.6167	ppb	0.2347	38.1	19.5520
Na 330.237	225.972	ppb	82.7896	36.6	64.1000
Ni 231.604	-0.6974	ppb	0.5123	73.5	-4.3492
Pb 220.353	6.6894	ppb	2.7455	41.0	42.2923
Sb 206.834	-2.1934	ppb	1.6479	75.1	-3.1928
Se 196.026	0.7434	ppb	4.8701	655.1	11.7209
Sn 189.925	2.3625	ppb	3.4996	148.1	-5.6536
Sr 216.596	2.7938	ppb	0.2556	9.1	55.2405
Ti 334.941	110.095	ppb	0.5406	0.5	26387.4
Tl 190.794	-1.0545	ppb	1.0444	99.0	-13.6735
V 292.401	3.5879	ppb	0.4823	13.4	95.2573
Zn 206.200	0.4784	ppb	0.7561	158.1	325.3112

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43207-g-1-aPDS (Samp)		4/19/2013, 12:56:30 PM		Rack 1, Tube 8	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	48.4884	47.2200	47.6000		
Al 308.215	23252.1	23170.0	23097.3		
As 188.980	2037.10	2038.58	2031.19		
B 249.678	962.619	964.747	968.140		
Ba 389.178	2068.18	2063.46	2063.21		
Be 313.042	51.3604	51.2259	51.1731		
Ca 370.602	5630	5601	5611		
Cd 226.502	51.7430	51.5111	51.3905		
Co 228.615	519.745	520.746	523.873		
Cr 267.716	247.920	246.935	246.270		
Cu 324.754	266.372	265.194	264.101		
Fe 271.441	3096.78	3099.05	3077.00		
K 766.491	5204.89	5188.65	5200.25		
Mg 279.078	5151.50	5126.57	5123.55		
Mn 257.610	545.157	542.357	542.298		
Mo 202.032	521.532	519.532	519.416		
Na 330.237	5556.61	5225.00	5293.76		
Ni 231.604	514.242	513.630	513.068		
Pb 220.353	520.632	519.756	516.574		
Sb 206.834	483.331	469.728	480.411		
Se 196.026	1961.83	1953.47	1963.44		
Sn 189.925	1032.88	1029.85	1034.15		
Sr 216.596	541.465	540.545	537.483		
Ti 334.941	1593.42	1585.88	1588.16		
Tl 190.794	2016.22	2019.20	2015.51		
V 292.401	515.977	513.753	514.265		
Zn 206.200	507.956	503.428	503.979		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.7695	ppb	0.6509	1.4	3444.82
Al 308.215	23173.2	ppb	77.4483	0.3	48949.0
As 188.980	2035.62	ppb	3.9068	0.2	1251.20
B 249.678	965.169	ppb	2.7845	0.3	11478.1
Ba 389.178	2064.95	ppb	2.7991	0.1	41459.6
Be 313.042	51.2531	ppb	0.0965	0.2	85894.6
Ca 370.602	5614	ppb	14.59	0.3	14725
Cd 226.502	51.5482	ppb	0.1792	0.3	1730.63
Co 228.615	521.455	ppb	2.1534	0.4	4925.29
Cr 267.716	247.042	ppb	0.8300	0.3	7549.04
Cu 324.754	265.223	ppb	1.1356	0.4	13596.9
Fe 271.441	3090.95	ppb	12.1275	0.4	5082.78
K 766.491	5197.93	ppb	8.3645	0.2	152500
Mg 279.078	5133.88	ppb	15.3402	0.3	10107.9
Mn 257.610	543.271	ppb	1.6339	0.3	121861
Mo 202.032	520.160	ppb	1.1899	0.2	3563.93
Na 330.237	5358.46	ppb	175.014	3.3	267.651
Ni 231.604	513.647	ppb	0.5872	0.1	1276.65
Pb 220.353	518.987	ppb	2.1355	0.4	893.239
Sb 206.834	477.823	ppb	7.1614	1.5	457.312
Se 196.026	1959.58	ppb	5.3526	0.3	915.284
Sn 189.925	1032.29	ppb	2.2091	0.2	719.593
Sr 216.596	539.831	ppb	2.0847	0.4	5063.11
Ti 334.941	1589.15	ppb	3.8689	0.2	380973
Tl 190.794	2016.98	ppb	1.9551	0.1	1813.36
V 292.401	514.665	ppb	1.1647	0.2	12881.8
Zn 206.200	505.121	ppb	2.4705	0.5	644.074

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43207-g-1-b ms (Samp)		4/19/2013, 1:02:06 PM		Rack 1, Tube 9	
Label	Replicates	Concentration			
Ag 328.068	11.4691	11.3691	11.3590		
Al 308.215	24145.3	24005.6	24115.5		
As 188.980	98.6600	96.5368	100.771		
B 249.678	202.223	200.403	201.363		
Ba 389.178	114.255	113.333	112.904		
Be 313.042	53.8273	53.4714	53.7141		
Ca 370.602	5359	5333	5355		
Cd 226.502	54.0151	53.5104	53.6909		
Co 228.615	52.4973	54.3739	52.3093		
Cr 267.716	142.147	141.884	142.193		
Cu 324.754	115.371	112.902	115.282		
Fe 271.441	6437.12	6409.85	6438.31		
K 766.491	5116.09	5088.37	5113.04		
Mg 279.078	5140.05	5105.23	5121.39		
Mn 257.610	557.373	553.032	556.173		
Mo 202.032	102.616	101.931	102.378		
Na 330.237	5499.60	5344.43	5415.25		
Ni 231.604	109.245	106.046	107.651		
Pb 220.353	75.5976	78.5622	77.0377		
Sb 206.834	35.9894	48.9815	40.6620		
Se 196.026	98.2463	88.5925	102.731		
Sn 189.925	211.604	209.905	212.373		
Sr 216.596	116.557	115.759	116.169		
Ti 334.941	417.018	416.211	417.896		
Tl 190.794	43.2710	42.0111	44.2594		
V 292.401	112.630	111.853	112.806		
Zn 206.200	111.730	109.603	109.000		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.3991	ppb	0.0609	0.5	817.923
Al 308.215	24088.8	ppb	73.5923	0.3	50864.5
As 188.980	98.6559	ppb	2.1170	2.1	50.9645
B 249.678	201.330	ppb	0.9101	0.5	2597.51
Ba 389.178	113.497	ppb	0.6902	0.6	2309.32
Be 313.042	53.6709	ppb	0.1818	0.3	90029.4
Ca 370.602	5349	ppb	14.02	0.3	13640
Cd 226.502	53.7388	ppb	0.2557	0.5	1809.55
Co 228.615	53.0602	ppb	1.1416	2.2	502.173
Cr 267.716	142.075	ppb	0.1666	0.1	4337.21
Cu 324.754	114.518	ppb	1.4004	1.2	5992.00
Fe 271.441	6428.43	ppb	16.1000	0.3	10298.5
K 766.491	5105.83	ppb	15.1987	0.3	149803
Mg 279.078	5122.22	ppb	17.4273	0.3	10085.2
Mn 257.610	555.526	ppb	2.2416	0.4	124613
Mo 202.032	102.308	ppb	0.3474	0.3	713.030
Na 330.237	5419.76	ppb	77.6844	1.4	279.225
Ni 231.604	107.647	ppb	1.5991	1.5	265.600
Pb 220.353	77.0658	ppb	1.4825	1.9	158.921
Sb 206.834	41.8776	ppb	6.5808	15.7	39.9490
Se 196.026	96.5235	ppb	7.2252	7.5	55.9909
Sn 189.925	211.294	ppb	1.2628	0.6	141.473
Sr 216.596	116.161	ppb	0.3989	0.3	1114.94
Ti 334.941	417.041	ppb	0.8426	0.2	99990.6
Tl 190.794	43.1805	ppb	1.1269	2.6	25.4138
V 292.401	112.430	ppb	0.5072	0.5	2815.19
Zn 206.200	110.111	ppb	1.4341	1.3	325.098

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43207-g-1-c msd (Samp) **4/19/2013, 1:07:42 PM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration	
Ag 328.068	11.9434	12.4978	12.1201
Al 308.215	25803.1	25936.0	25908.3
As 188.980	98.5227	100.021	100.563
B 249.678	192.712	194.722	193.843
Ba 389.178	116.072	116.748	115.744
Be 313.042	54.7504	55.0042	54.9325
Ca 370.602	5408	5431	5422
Cd 226.502	55.1798	55.2743	55.0351
Co 228.615	53.7321	54.3927	54.3281
Cr 267.716	145.135	145.352	145.939
Cu 324.754	123.703	123.032	125.751
Fe 271.441	6983.57	7003.61	6969.19
K 766.491	5181.29	5214.54	5201.16
Mg 279.078	5249.15	5263.18	5254.77
Mn 257.610	568.697	569.547	567.491
Mo 202.032	104.762	104.814	104.819
Na 330.237	5222.98	5459.56	5203.90
Ni 231.604	109.468	111.745	109.719
Pb 220.353	80.7194	81.7733	77.7152
Sb 206.834	42.9671	40.5085	43.6083
Se 196.026	95.1444	98.5491	99.2747
Sn 189.925	222.629	222.515	221.456
Sr 216.596	120.283	121.321	120.421
Ti 334.941	483.271	484.162	484.250
Tl 190.794	41.9223	36.9929	41.9613
V 292.401	120.001	120.060	120.219
Zn 206.200	111.080	113.311	114.113

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.1871	ppb	0.2832	2.3	875.106
Al 308.215	25882.5	ppb	70.1251	0.3	54651.4
As 188.980	99.7024	ppb	1.0570	1.1	51.6073
B 249.678	193.759	ppb	1.0073	0.5	2508.89
Ba 389.178	116.188	ppb	0.5120	0.4	2363.76
Be 313.042	54.8957	ppb	0.1308	0.2	92087.2
Ca 370.602	5420	ppb	11.41	0.2	13798
Cd 226.502	55.1631	ppb	0.1205	0.2	1857.50
Co 228.615	54.1510	ppb	0.3642	0.7	513.762
Cr 267.716	145.475	ppb	0.4161	0.3	4441.46
Cu 324.754	124.162	ppb	1.4164	1.1	6478.39
Fe 271.441	6985.46	ppb	17.2874	0.2	11181.0
K 766.491	5199.00	ppb	16.7261	0.3	152532
Mg 279.078	5255.70	ppb	7.0624	0.1	10345.6
Mn 257.610	568.579	ppb	1.0329	0.2	127538
Mo 202.032	104.798	ppb	0.0314	0.0	729.983
Na 330.237	5295.48	ppb	142.417	2.7	273.408
Ni 231.604	110.310	ppb	1.2488	1.1	272.244
Pb 220.353	80.0693	ppb	2.1057	2.6	163.854
Sb 206.834	42.3613	ppb	1.6363	3.9	40.4373
Se 196.026	97.6561	ppb	2.2052	2.3	56.5133
Sn 189.925	222.200	ppb	0.6472	0.3	149.152
Sr 216.596	120.675	ppb	0.5635	0.5	1157.32
Ti 334.941	483.894	ppb	0.5413	0.1	116017
Tl 190.794	40.2922	ppb	2.8573	7.1	22.7577
V 292.401	120.093	ppb	0.1124	0.1	3008.58
Zn 206.200	112.835	ppb	1.5717	1.4	343.547

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43207-g-2-a (Samp)		4/19/2013, 1:13:18 PM		Rack 1, Tube 11	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.4518u	-0.6400u	0.1467		
Al 308.215	19150.4	19452.7	19445.3		
As 188.980	4.4721	5.9754	3.6143		
B 249.678	3.8132	3.5358	2.6933		
Ba 389.178	6.8442	7.0658	6.7093		
Be 313.042	0.2472	0.2555	0.2856		
Ca 370.602	603.5	613.9	610.9		
Cd 226.502	0.1256	0.0868	0.0866		
Co 228.615	-1.0257	-1.3531u	-1.2129		
Cr 267.716	37.1589	37.3513	37.1385		
Cu 324.754	10.1140	10.4639	10.7304		
Fe 271.441	1540.07	1561.61	1558.77		
K 766.491	85.0147	85.3016	89.6871		
Mg 279.078	156.688	158.891	162.403		
Mn 257.610	12.2629	12.4556	12.7457		
Mo 202.032	1.1910	1.5269	1.5271		
Na 330.237	104.896	27.8180u	44.6025u		
Ni 231.604	2.8002	1.6577	1.8213		
Pb 220.353	24.7683	22.0586	19.8328		
Sb 206.834	-3.0092u	0.2514	0.6383		
Se 196.026	0.4349	-0.7655u	-6.1547u		
Sn 189.925	7.6939	13.1623	8.2775		
Sr 216.596	11.3193	11.7926	11.6766		
Ti 334.941	556.487	560.536	563.317		
Tl 190.794	-3.1061u	0.7134	-1.5976u		
V 292.401	13.1703	13.7040	13.9134		
Zn 206.200	2.6213	3.4820	1.4324		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3150	ppb	0.4108	130.4	-31.6916
Al 308.215	19349.5	ppb	172.425	0.9	40854.6
As 188.980	4.6873	ppb	1.1951	25.5	-7.2298
B 249.678	3.3474	ppb	0.5832	17.4	302.333
Ba 389.178	6.8731	ppb	0.1800	2.6	157.322
Be 313.042	0.2627	ppb	0.0202	7.7	293.452
Ca 370.602	609.4	ppb	5.331	0.9	1640
Cd 226.502	0.0997	ppb	0.0224	22.5	38.3446
Co 228.615	-1.1972	ppb	0.1643	13.7	-2.9159
Cr 267.716	37.2162	ppb	0.1174	0.3	1125.93
Cu 324.754	10.4361	ppb	0.3091	3.0	741.095
Fe 271.441	1553.48	ppb	11.7053	0.8	2567.44
K 766.491	86.6678	ppb	2.6187	3.0	2784.57
Mg 279.078	159.327	ppb	2.8822	1.8	391.458
Mn 257.610	12.4881	ppb	0.2430	1.9	2988.33
Mo 202.032	1.4150	ppb	0.1940	13.7	24.9292
Na 330.237	59.1056	ppb	40.5342	68.6	53.9214
Ni 231.604	2.0930	ppb	0.6178	29.5	2.6272
Pb 220.353	22.2199	ppb	2.4717	11.1	67.6505
Sb 206.834	-0.7065	ppb	2.0035	283.6	-1.4626
Se 196.026	-2.1617	ppb	3.5097	162.4	10.3766
Sn 189.925	9.7113	ppb	3.0029	30.9	-0.4787
Sr 216.596	11.5962	ppb	0.2467	2.1	138.068
Ti 334.941	560.113	ppb	3.4348	0.6	134269
Tl 190.794	-1.3301	ppb	1.9237	144.6	-13.9807
V 292.401	13.5959	ppb	0.3832	2.8	351.894
Zn 206.200	2.5119	ppb	1.0291	1741.0f	325.8192

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-10-b (Samp) **4/19/2013, 1:18:55 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	-0.9388u	-0.5786u	-1.0600u			
Al 308.215	57253.4	57435.1	57568.3			
As 188.980	67.9750	69.1825	55.9251			
B 249.678	51.6168	52.3759	52.1979			
Ba 389.178	75.2980	76.2682	74.0452			
Be 313.042	1.1469	1.1467	1.1429			
Ca 370.602	2493822x	2481513x	2491029x			
Cd 226.502	2.2857	2.3032	2.1206			
Co 228.615	10.4984	9.5972	8.8186			
Cr 267.716	251.805	252.063	253.107			
Cu 324.754	44.5598	45.0939	44.7458			
Fe 271.441	48491.9	48544.2	48535.5			
K 766.491	2423.60	2390.66	2391.02			
Mg 279.078	742695	743178	741833			
Mn 257.610	629.644	629.450	629.461			
Mo 202.032	21.7822	21.3704	20.5075			
Na 330.237	4458.42	4270.93	4463.17			
Ni 231.604	56.3574	59.1736	57.1966			
Pb 220.353	39.1381	34.5575	36.0656			
Sb 206.834	2.0294	-3.6203u	3.5705			
Se 196.026	-15.5485u	-4.6917u	-5.1252u			
Sn 189.925	10.3623	6.2460	13.3763			
Sr 216.596	5525.38	5533.91	5543.17			
Ti 334.941	528.108	529.416	530.050			
Tl 190.794	1.7708u	2.6792u	-8.8814u			
V 292.401	142.837	142.865	142.539			
Zn 206.200	211.743	217.425	214.459			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8591b	ppb	0.2504	29.1	-325.714
Al 308.215	57418.9b	ppb	158.095	0.3	121227
As 188.980	64.3609b	ppb	7.3305	11.4	50.1246
B 249.678	52.0635b	ppb	0.3970	0.8	813.987
Ba 389.178	75.2038b	ppb	1.1145	1.5	3226.48
Be 313.042	1.1455b	ppb	0.0023	0.2	2508.79
Ca 370.602	2488788xb	ppb	6453	0.3	6472258
Cd 226.502	2.2365b	ppb	0.1008	4.5	217.300
Co 228.615	9.6380b	ppb	0.8406	8.7	97.4651
Cr 267.716	252.325b	ppb	0.6892	0.3	7719.41
Cu 324.754	44.7998b	ppb	0.2711	0.6	2486.93
Fe 271.441	48523.9b	ppb	28.0050	0.1	76974.9
K 766.491	2401.76b	ppb	18.9129	0.8	70596.7
Mg 279.078	742569b	ppb	681.006	0.1	1451744
Mn 257.610	629.518b	ppb	0.1091	0.0	145497
Mo 202.032	21.2200b	ppb	0.6505	3.1	157.633
Na 330.237	4397.50b	ppb	109.643	2.5	224.270
Ni 231.604	57.5758b	ppb	1.4459	2.5	141.741
Pb 220.353	36.5871b	ppb	2.3344	6.4	91.0405
Sb 206.834	0.6599b	ppb	3.7860	573.8	2.6889
Se 196.026	-8.4552b	ppb	6.1469	72.7	7.3638
Sn 189.925	9.9949b	ppb	3.5793	35.8	0.5969
Sr 216.596	5534.15b	ppb	8.8979	0.2	52100.0
Ti 334.941	529.191b	ppb	0.9905	0.2	129742
Tl 190.794	-1.4771b	ppb	6.4283	435.2	-17.0890
V 292.401	142.747b	ppb	0.1807	0.1	3596.82
Zn 206.200	214.542b	ppb	2.8417	1721.3f	272.334

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)		4/19/2013, 1:32:30 PM		Rack 1, Tube 13		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	488.184	486.529	478.409			
Al 308.215	4983.79	4960.43	4942.52			
As 188.980	458.356	468.284	461.823			
B 249.678	494.614	495.774	497.731			
Ba 389.178	5160.89	5139.08	5111.53			
Be 313.042	516.334	514.947	511.129			
Ca 370.602	4981	4973	4943			
Cd 226.502	521.553	519.155	519.228			
Co 228.615	522.697	518.882	518.472			
Cr 267.716	5206.98	5185.96	5168.85			
Cu 324.754	5128.02	5091.74	5065.10			
Fe 271.441	4950.72	4934.14	4909.24			
K 766.491	10082.1	10038.5	9958.21			
Mg 279.078	4937.08	4928.51	4905.11			
Mn 257.610	5220.25	5206.00	5179.90			
Mo 202.032	502.076	501.023	501.098			
Na 330.237	7484.71	7086.25	7300.66			
Ni 231.604	2638.86	2632.35	2624.82			
Pb 220.353	500.399	500.317	502.634			
Sb 206.834	940.832	931.079	936.025			
Se 196.026	5025.09	4988.57	4982.81			
Sn 189.925	5074.72	5018.00	5003.67			
Sr 216.596	2540.44	2534.37	2529.26			
Ti 334.941	500.855	498.831	495.889			
Tl 190.794	5084.54	5080.93	5074.22			
V 292.401	4995.42	4979.32	4947.31			
Zn 206.200	2580.70	2578.17	2569.02			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	484.374	ppb	5.2315	1.1	35130.1	96.87479
Al 308.215	4962.25	ppb	20.6947	0.4	10471.8	99.24491
As 188.980	462.821	ppb	5.0388	1.1	276.538	92.56425
B 249.678	496.039	ppb	1.5755	0.3	6024.05	19.84158Q
Ba 389.178	5137.16	ppb	24.7322	0.5	103100	102.74329
Be 313.042	514.137	ppb	2.6956	0.5	863625	102.82731
Ca 370.602	4966	ppb	20.23	0.4	12893	99.31310
Cd 226.502	519.979	ppb	1.3642	0.3	17111.6	103.99573
Co 228.615	520.017	ppb	2.3302	0.4	4900.14	104.00344
Cr 267.716	5187.26	ppb	19.0974	0.4	158768	103.74522
Cu 324.754	5094.95	ppb	31.5856	0.6	257060	101.89906
Fe 271.441	4931.37	ppb	20.8806	0.4	8036.31	98.62734
K 766.491	10026.3	ppb	62.8385	0.6	293929	100.26276
Mg 279.078	4923.57	ppb	16.5444	0.3	9632.27	98.47132
Mn 257.610	5202.05	ppb	20.4634	0.4	1164943	104.04095
Mo 202.032	501.399	ppb	0.5875	0.1	3427.91	100.27982
Na 330.237	7290.54	ppb	199.423	2.7	342.971	97.20718
Ni 231.604	2632.01	ppb	7.0287	0.3	6552.31	105.28034
Pb 220.353	501.117	ppb	1.3145	0.3	865.403	100.22337
Sb 206.834	935.979	ppb	4.8767	0.5	951.779	93.59789
Se 196.026	4998.82	ppb	22.9278	0.5	2318.11	99.97646
Sn 189.925	5032.13	ppb	37.5739	0.7	3536.16	100.64268
Sr 216.596	2534.69	ppb	5.5959	0.2	23718.5	101.38760
Ti 334.941	498.525	ppb	2.4968	0.5	119522	99.70499
Tl 190.794	5079.90	ppb	5.2359	0.1	4582.98	101.59793
V 292.401	4974.02	ppb	24.4854	0.5	124902	99.48036
Zn 206.200	2575.96	ppb	6.1448	0.2	3256.58	103.03853

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/19/2013, 1:38:04 PM		Rack 1, Tube 14		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	-0.1762u	-0.1947u	-0.3945u			
Al 308.215	-19.5434u	-13.7627u	-15.7955u			
As 188.980	0.9682	9.6239	0.1725			
B 249.678	4.9323	3.1312	2.7334			
Ba 389.178	-2.6103u	-3.2547u	-2.0696u			
Be 313.042	-0.0942u	-0.0888u	-0.1025u			
Ca 370.602	-20.60u	-24.24u	-21.74u			
Cd 226.502	-0.1622u	-0.0041u	-0.2483u			
Co 228.615	-0.5930u	-0.7665u	-0.0720u			
Cr 267.716	0.0075	-0.2012u	-0.2076u			
Cu 324.754	-0.7719u	-1.0962u	-1.1333u			
Fe 271.441	-6.1565u	-9.1306u	-7.8458u			
K 766.491	-2.5666u	-3.6256u	-3.4236u			
Mg 279.078	-26.6363u	-30.9978u	-23.2942u			
Mn 257.610	-0.6000u	-0.6206u	-0.6113u			
Mo 202.032	0.8366	0.0299	0.1134			
Na 330.237	135.278	144.676	75.6837			
Ni 231.604	-1.9450u	-1.8393u	-2.5345u			
Pb 220.353	-4.2462u	-2.9103u	-2.3592u			
Sb 206.834	5.3386	1.0117	1.7875			
Se 196.026	1.6961	2.1777	3.0394			
Sn 189.925	-3.2869u	0.5334	-3.5033u			
Sr 216.596	-0.4464u	-1.2738u	-0.9870u			
Ti 334.941	-0.0999u	-0.0308u	-0.0305u			
Tl 190.794	3.5023	-0.7357u	-1.0778u			
V 292.401	-0.5704u	-0.4566u	-0.4092u			
Zn 206.200	-0.4486u	-0.3883u	0.5421			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2551	ppb	0.1210	47.4	-27.0249	-0.25512
Al 308.215	-16.3672	ppb	2.9324	17.9	-30.8249	-16.36721
As 188.980	3.5882	ppb	5.2421	146.1	-7.8999	3.58821
B 249.678	3.5990	ppb	1.1717	32.6	307.062	3.59895
Ba 389.178	-2.6449	ppb	0.5933	22.4	-34.4425	-2.64490
Be 313.042	-0.0952	ppb	0.0069	7.2	-309.077	-0.09517
Ca 370.602	-22.19	ppb	1.860	8.4	15.80	-22.19278
Cd 226.502	-0.1382	ppb	0.1239	89.6	27.1992	-0.13821
Co 228.615	-0.4772	ppb	0.3614	75.7	-7.9338	-0.47716
Cr 267.716	-0.1338	ppb	0.1224	91.5	-18.4527	-0.13378
Cu 324.754	-1.0005	ppb	0.1988	19.9	164.121	-1.00049
Fe 271.441	-7.7109	ppb	1.4916	19.3	94.0842	-7.71094
K 766.491	-3.2053	ppb	0.5623	17.5	152.069	-3.20527
Mg 279.078	-26.9761	ppb	3.8630	14.3	32.0994	-26.97607
Mn 257.610	-0.6106	ppb	0.0103	1.7	50.4074	-0.61061
Mo 202.032	0.3266	ppb	0.4436	135.8	17.6008	0.32663
Na 330.237	118.546	ppb	37.4161	31.6	60.3704	118.54596
Ni 231.604	-2.1063	ppb	0.3746	17.8	-7.8679	-2.10626
Pb 220.353	-3.1719	ppb	0.9703	30.6	26.0066	-3.17190
Sb 206.834	2.7126	ppb	2.3070	85.0	1.4729	2.71260
Se 196.026	2.3044	ppb	0.6806	29.5	12.4420	2.30437
Sn 189.925	-2.0856	ppb	2.2707	108.9	-8.7859	-2.08563
Sr 216.596	-0.9024	ppb	0.4201	46.6	20.4834	-0.90237
Ti 334.941	-0.0537	ppb	0.0399	74.3	-18.1760	-0.05374
Tl 190.794	0.5629	ppb	2.5514	453.2	-12.1829	0.56292
V 292.401	-0.4787	ppb	0.0829	17.3	-8.2056	-0.47869
Zn 206.200	-0.0983	ppb	0.5554	1565.0	325	-0.5989

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-11-b (Samp) **4/19/2013, 1:43:37 PM** **Rack 1, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	7.0361u	7.4162u	7.4860u			
Al 308.215	45009.2	45082.4	44999.8			
As 188.980	23.7975	32.6793	33.5517			
B 249.678	266.328	268.098	269.365			
Ba 389.178	132.900	131.369	131.434			
Be 313.042	0.6803	0.6721	0.6746			
Ca 370.602	3444711x	3484381x	3451782x			
Cd 226.502	2.4282	2.6283	2.2798			
Co 228.615	6.0122	4.2379	4.5441			
Cr 267.716	223.498	223.037	222.951			
Cu 324.754	220.114	221.947	218.550			
Fe 271.441	39008.1	39050.5	39015.1			
K 766.491	7307.35	7357.94	7366.81			
Mg 279.078	28648.9	28683.5	28598.3			
Mn 257.610	566.463	566.359	566.077			
Mo 202.032	10.7288	10.2125	9.8920			
Na 330.237	21932.0	22006.2	21827.4			
Ni 231.604	37.6838	36.7012	33.6294			
Pb 220.353	126.042	127.818	124.680			
Sb 206.834	3.5422	8.6940	2.0357			
Se 196.026	-4.4634u	-14.9337u	12.2763			
Sn 189.925	13.6236	11.7831	11.9604			
Sr 216.596	60961.5x	60969.7x	60772.3x			
Ti 334.941	371.082	372.050	372.500			
Tl 190.794	-5.6104u	-12.8389u	-12.7722u			
V 292.401	92.7313	92.7328	93.7049			
Zn 206.200	897.384	901.399	903.942			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	7.3127b	ppb	0.2421	3.3	-2095.09
Al 308.215	45030.5b	ppb	45.2095	0.1	95072.5
As 188.980	30.0095b	ppb	5.3974	18.0	36.6754
B 249.678	267.931b	ppb	1.5252	0.6	3333.88
Ba 389.178	131.901b	ppb	0.8654	0.7	2738.90
Be 313.042	0.6756b	ppb	0.0042	0.6	2026.25
Ca 370.602	3460291xb	ppb	21160	0.6	9000528
Cd 226.502	2.4454b	ppb	0.1749	7.2	195.398
Co 228.615	4.9314b	ppb	0.9484	19.2	49.9528
Cr 267.716	223.162b	ppb	0.2942	0.1	6825.15
Cu 324.754	220.204b	ppb	1.7003	0.8	11327.9
Fe 271.441	39024.6b	ppb	22.7423	0.1	61926.1
K 766.491	7344.04b	ppb	32.0772	0.4	215363
Mg 279.078	28643.6b	ppb	42.8243	0.1	56068.2
Mn 257.610	566.300b	ppb	0.1998	0.0	127286
Mo 202.032	10.2778b	ppb	0.4222	4.1	83.5082
Na 330.237	21921.9b	ppb	89.7893	0.4	963.149
Ni 231.604	36.0048b	ppb	2.1150	5.9	87.8250
Pb 220.353	126.180b	ppb	1.5733	1.2	240.507
Sb 206.834	4.7573b	ppb	3.4915	73.4	6.2665
Se 196.026	-2.3736b	ppb	13.7249	578.2	10.2030
Sn 189.925	12.4557b	ppb	1.0153	8.2	2.6597
Sr 216.596	60901.2xb	ppb	111.680	0.2	570786
Ti 334.941	371.877b	ppb	0.7248	0.2	89257.3
Tl 190.794	-10.4072b	ppb	4.1542	39.9	-24.6383
V 292.401	93.0564b	ppb	0.5617	0.6	2338.59
Zn 206.200	900.908b	ppb	3.3061	0.4	3143.36

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-12-b (Samp) **4/19/2013, 1:49:11 PM** **Rack 1, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	1.5435u	1.0948u	0.4034u			
Al 308.215	57710.4	57870.4	57483.6			
As 188.980	160.947	144.639	150.754			
B 249.678	216.204	215.988	216.647			
Ba 389.178	228.564	229.120	228.765			
Be 313.042	1.2349	1.2289	1.2194			
Ca 370.602	2495607x	2494373x	2500358x			
Cd 226.502	4.5106	4.4205	4.5101			
Co 228.615	14.3695	13.1022	13.9244			
Cr 267.716	395.974	396.107	393.829			
Cu 324.754	691.222	685.097	690.270			
Fe 271.441	81227.9	81176.7	81013.5			
K 766.491	6691.59	6694.48	6693.44			
Mg 279.078	395782	395476	393570			
Mn 257.610	1070.05	1068.10	1066.61			
Mo 202.032	12.2912	11.9409	12.1148			
Na 330.237	14546.2	14440.4	14284.3			
Ni 231.604	81.1643	77.7763	84.2902			
Pb 220.353	1169.34	1158.70	1161.03			
Sb 206.834	12.6185	12.1637	6.6968			
Se 196.026	-4.9344u	-13.9214u	-11.4657u			
Sn 189.925	42.3311	48.7435	39.6103			
Sr 216.596	26320.4x	26306.2x	26187.3x			
Ti 334.941	478.050	478.948	477.734			
Tl 190.794	-12.8083u	-7.4973u	-4.2594u			
V 292.401	134.917	135.222	134.210			
Zn 206.200	3945.18	3933.06	3924.79			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0139b	ppb	0.5744	56.6	-1073.46
Al 308.215	57688.1b	ppb	194.360	0.3	121795
As 188.980	152.113b	ppb	8.2389	5.4	104.071
B 249.678	216.279b	ppb	0.3361	0.2	2684.89
Ba 389.178	228.816b	ppb	0.2815	0.1	5521.22
Be 313.042	1.2277b	ppb	0.0078	0.6	2654.56
Ca 370.602	2496779xb	ppb	3160	0.1	6490899
Cd 226.502	4.4804b	ppb	0.0519	1.2	356.258
Co 228.615	13.7987b	ppb	0.6429	4.7	135.027
Cr 267.716	395.303b	ppb	1.2783	0.3	12102.6
Cu 324.754	688.863b	ppb	3.2963	0.5	34969.2
Fe 271.441	81139.4b	ppb	111.985	0.1	128641
K 766.491	6693.17b	ppb	1.4653	0.0	196298
Mg 279.078	394943b	ppb	1198.94	0.3	772157
Mn 257.610	1068.26b	ppb	1.7255	0.2	241835
Mo 202.032	12.1156b	ppb	0.1751	1.4	93.9923
Na 330.237	14423.6b	ppb	131.774	0.9	617.097
Ni 231.604	81.0769b	ppb	3.2578	4.0	200.908
Pb 220.353	1163.03b	ppb	5.5943	0.5	1966.33
Sb 206.834	10.4930b	ppb	3.2955	31.4	14.3521
Se 196.026	-10.1072b	ppb	4.6450	46.0	6.5243
Sn 189.925	43.5616b	ppb	4.6893	10.8	24.2315
Sr 216.596	26271.3xb	ppb	73.0760	0.3	246350
Ti 334.941	478.244b	ppb	0.6297	0.1	116174
Tl 190.794	-8.1883b	ppb	4.3161	52.7	-25.2410
V 292.401	134.783b	ppb	0.5191	0.4	3385.27
Zn 206.200	3934.34b	ppb	10.2546	0.3	4992.11

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-13-b (Samp) **4/19/2013, 1:54:46 PM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	14.7758u	14.8081u	14.4445u			
Al 308.215	31498.5	31478.4	31570.5			
As 188.980	29.4213	34.8877	31.7797			
B 249.678	207.281	208.753	209.771			
Ba 389.178	146.364	145.910	145.191			
Be 313.042	0.5181	0.5221	0.5309			
Ca 370.602	3039970x	3053932x	3041226x			
Cd 226.502	3.7351	3.7258	3.7432			
Co 228.615	7.9776	8.1496	9.2579			
Cr 267.716	205.636	205.613	206.709			
Cu 324.754	351.226	350.437	354.727			
Fe 271.441	52802.8	52800.4	52817.9			
K 766.491	12873.7	12855.4	12903.7			
Mg 279.078	355487	355323	355511			
Mn 257.610	947.508	947.697	947.045			
Mo 202.032	11.0601	10.3350	10.1493			
Na 330.237	57299.8	56999.8	57278.5			
Ni 231.604	62.5005	59.4040	59.2823			
Pb 220.353	522.433	523.756	517.375			
Sb 206.834	5.3746	12.0041	4.2631			
Se 196.026	-11.0106u	-6.7291u	-4.5864u			
Sn 189.925	23.8597	29.0596	31.7690			
Sr 216.596	30159.5x	30139.3x	30093.3x			
Ti 334.941	324.595	324.926	325.255			
Tl 190.794	-1.9092u	-6.3200u	-11.4356u			
V 292.401	105.099	104.173	103.844			
Zn 206.200	996.914	999.685	994.216			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.6761b	ppb	0.2013	1.4	-251.718
Al 308.215	31515.8b	ppb	48.4047	0.2	66540.1
As 188.980	32.0296b	ppb	2.7418	8.6	34.4408
B 249.678	208.602b	ppb	1.2515	0.6	2628.40
Ba 389.178	145.821b	ppb	0.5913	0.4	3761.31
Be 313.042	0.5237b	ppb	0.0066	1.3	1632.29
Ca 370.602	3045043xb	ppb	7724	0.3	7919220
Cd 226.502	3.7347b	ppb	0.0087	0.2	270.747
Co 228.615	8.4617b	ppb	0.6949	8.2	81.9287
Cr 267.716	205.986b	ppb	0.6261	0.3	6302.66
Cu 324.754	352.130b	ppb	2.2832	0.6	17983.4
Fe 271.441	52807.0b	ppb	9.5123	0.0	83759.1
K 766.491	12877.6b	ppb	24.3572	0.2	377448
Mg 279.078	355440b	ppb	102.399	0.0	694935
Mn 257.610	947.417b	ppb	0.3356	0.0	214491
Mo 202.032	10.5148b	ppb	0.4813	4.6	84.4535
Na 330.237	57192.7b	ppb	167.404	0.3	2447.96
Ni 231.604	60.3956b	ppb	1.8239	3.0	148.836
Pb 220.353	521.188b	ppb	3.3673	0.6	898.379
Sb 206.834	7.2139b	ppb	4.1855	58.0	8.7943
Se 196.026	-7.4420b	ppb	3.2709	44.0	7.8796
Sn 189.925	28.2294b	ppb	4.0195	14.2	13.6361
Sr 216.596	30130.7xb	ppb	33.9456	0.1	282537
Ti 334.941	324.925b	ppb	0.3297	0.1	79263.4
Tl 190.794	-6.5549b	ppb	4.7675	72.7	-22.3025
V 292.401	104.372b	ppb	0.6509	0.6	2627.41
Zn 206.200	996.938b	ppb	2.7349	0.3	325.25

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-14-b (Samp) **4/19/2013, 2:00:20 PM** **Rack 1, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration	
Ag 328.068	0.6318u	1.9402u	1.8340u
Al 308.215	60274.9	60487.5	60322.7
As 188.980	51.2499	33.1198	40.1460
B 249.678	145.764	145.766	145.442
Ba 389.178	215.353	215.633	211.619
Be 313.042	1.4015	1.3968	1.3994
Ca 370.602	3030553x	3045329x	3045469x
Cd 226.502	3.5763	4.1293	3.7287
Co 228.615	13.2651	12.5267	13.2600
Cr 267.716	323.178	323.186	321.569
Cu 324.754	308.091	305.664	306.427
Fe 271.441	54768.6	54770.8	54788.1
K 766.491	9024.78	9045.39	9047.98
Mg 279.078	601538	603584	603183
Mn 257.610	1214.73	1215.85	1215.60
Mo 202.032	10.4718	12.0090	11.1931
Na 330.237	14817.4	14820.2	15169.3
Ni 231.604	66.3459	66.8440	69.7896
Pb 220.353	117.963	113.543	124.461
Sb 206.834	6.0906	7.9833	1.7354
Se 196.026	0.2337	-14.3489u	-25.9846u
Sn 189.925	31.5461	29.0349	27.4367
Sr 216.596	26497.7x	26506.8x	26505.7x
Ti 334.941	700.481	701.394	701.764
Tl 190.794	-1.8125u	-7.2610u	-1.0314u
V 292.401	177.237	177.822	177.629
Zn 206.200	559.914	560.823	560.588

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.4687b	ppb	0.7267	49.5	-1052.81
Al 308.215	60361.7b	ppb	111.543	0.2	127439
As 188.980	41.5052b	ppb	9.1412	22.0	40.2740
B 249.678	145.657b	ppb	0.1862	0.1	1894.61
Ba 389.178	214.202b	ppb	2.2414	1.0	5692.95
Be 313.042	1.3992b	ppb	0.0023	0.2	3098.57
Ca 370.602	3040450xb	ppb	8571	0.3	7907203
Cd 226.502	3.8114b	ppb	0.2856	7.5	280.412
Co 228.615	13.0172b	ppb	0.4249	3.3	132.973
Cr 267.716	322.645b	ppb	0.9315	0.3	9874.75
Cu 324.754	306.727b	ppb	1.2412	0.4	15694.2
Fe 271.441	54775.8b	ppb	10.6898	0.0	86879.4
K 766.491	9039.38b	ppb	12.7154	0.1	265022
Mg 279.078	602768b	ppb	1084.59	0.2	1178435
Mn 257.610	1215.40b	ppb	0.5866	0.0	275889
Mo 202.032	11.2246b	ppb	0.7691	6.9	89.0742
Na 330.237	14935.7b	ppb	202.352	1.4	664.373
Ni 231.604	67.6598b	ppb	1.8612	2.8	166.975
Pb 220.353	118.656b	ppb	5.4920	4.6	227.684
Sb 206.834	5.2698b	ppb	3.2038	60.8	8.0460
Se 196.026	-13.3666b	ppb	13.1367	98.3	5.1995
Sn 189.925	29.3393b	ppb	2.0715	7.1	14.4050
Sr 216.596	26503.4xb	ppb	4.9400	0.0	248561
Ti 334.941	701.213b	ppb	0.6602	0.1	170427
Tl 190.794	-3.3683b	ppb	3.3938	100.8	-19.8366
V 292.401	177.563b	ppb	0.2978	0.2	4472.41
Zn 206.200	560.442b	ppb	0.4723	178.01f	324.088

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-15-b (Samp) **4/19/2013, 2:05:55 PM** **Rack 1, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	2.4330u	3.4443u	2.7617u			
Al 308.215	31142.4	31181.5	31175.9			
As 188.980	515.721	538.228	524.701			
B 249.678	248.262	250.098	252.357			
Ba 389.178	173.784	175.111	174.009			
Be 313.042	0.5034	0.5008	0.5010			
Ca 370.602	2457760x	2475963x	2460848x			
Cd 226.502	2.6996	3.2160	2.9071			
Co 228.615	5.1261	4.7018	5.4324			
Cr 267.716	458.594	458.661	459.595			
Cu 324.754	569.065	564.347	558.356			
Fe 271.441	35045.8	34979.8	34975.9			
K 766.491	15728.9	15698.5	15763.0			
Mg 279.078	41975.0	41978.1	42125.5			
Mn 257.610	1000.22	999.657	999.069			
Mo 202.032	5.4503	5.4710	6.0532			
Na 330.237	38923.8	39102.3	38928.0			
Ni 231.604	30.3009	27.1775	28.9426			
Pb 220.353	407.768	403.687	400.040			
Sb 206.834	20.6631	16.5789	17.1400			
Se 196.026	-8.5084u	-8.3505u	-7.1476u			
Sn 189.925	28.1142	22.3058	22.5961			
Sr 216.596	35729.8x	35674.1x	35613.3x			
Ti 334.941	347.321	347.648	347.727			
Tl 190.794	-7.6789u	-5.4362u	-5.7934u			
V 292.401	52.5840	53.4477	53.5672			
Zn 206.200	955.333	950.769	948.153			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.8797b	ppb	0.5159	17.9	-1346.71
Al 308.215	31166.6b	ppb	21.1124	0.1	65802.9
As 188.980	526.216b	ppb	11.3300	2.2	336.157
B 249.678	250.239b	ppb	2.0515	0.8	3132.82
Ba 389.178	174.301b	ppb	0.7103	0.4	3619.00
Be 313.042	0.5017b	ppb	0.0015	0.3	1438.18
Ca 370.602	2464857xb	ppb	9741	0.4	6410878
Cd 226.502	2.9409b	ppb	0.2598	8.8	203.398
Co 228.615	5.0868b	ppb	0.3669	7.2	51.8410
Cr 267.716	458.950b	ppb	0.5593	0.1	14044.3
Cu 324.754	563.922b	ppb	5.3670	1.0	28656.8
Fe 271.441	35000.5b	ppb	39.2836	0.1	55551.9
K 766.491	15730.1b	ppb	32.2232	0.2	461003
Mg 279.078	42026.2b	ppb	86.0485	0.2	82226.6
Mn 257.610	999.649b	ppb	0.5754	0.1	224365
Mo 202.032	5.6582b	ppb	0.3423	6.0	52.2397
Na 330.237	38984.7b	ppb	101.848	0.3	1684.04
Ni 231.604	28.8070b	ppb	1.5661	5.4	69.8187
Pb 220.353	403.831b	ppb	3.8660	1.0	703.032
Sb 206.834	18.1273b	ppb	2.2139	12.2	21.4127
Se 196.026	-8.0022b	ppb	0.7443	9.3	7.7283
Sn 189.925	24.3387b	ppb	3.2729	13.4	10.6941
Sr 216.596	35672.4xb	ppb	58.2222	0.2	334390
Ti 334.941	347.565b	ppb	0.2155	0.1	83479.2
Tl 190.794	-6.3028b	ppb	1.2050	19.1	-21.3318
V 292.401	53.1996b	ppb	0.5365	1.0	1322.20
Zn 206.200	951.418b	ppb	3.6342	179.04	325.1206.86

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

mb 680-273503/1-a (Samp)		4/19/2013, 2:11:30 PM		Rack 1, Tube 20	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.2239u	-0.0216u	-0.2999u		
Al 308.215	10.5414	20.7982	25.8866		
As 188.980	0.0128	1.5126	-2.4649u		
B 249.678	-3.9930u	-2.9656u	-3.8302u		
Ba 389.178	-2.8004u	-2.3993u	-2.1436u		
Be 313.042	-0.1059u	-0.1041u	-0.1096u		
Ca 370.602	3267	3504	4007		
Cd 226.502	0.0460	-0.0660u	-0.1475u		
Co 228.615	-0.3936u	-0.5059u	-0.0236u		
Cr 267.716	0.0694	0.4798	0.3398		
Cu 324.754	-0.9859u	-0.3038u	-0.4183u		
Fe 271.441	34.2442	40.5293	57.0468		
K 766.491	8.2437	8.4758	9.3098		
Mg 279.078	113.862	130.846	161.639		
Mn 257.610	0.6336	0.6908	0.9284		
Mo 202.032	-0.3972u	-0.4207u	-0.3836u		
Na 330.237	-21.1131u	311.941	168.042		
Ni 231.604	-0.8900u	-1.6610u	-2.1492u		
Pb 220.353	2.0072	1.9896	-2.6472u		
Sb 206.834	2.1330	1.0487	-0.9594u		
Se 196.026	-1.6472u	6.1072	-4.3130u		
Sn 189.925	-2.6808u	-0.8045u	-1.4619u		
Sr 216.596	42.8017	46.6555	52.5485		
Ti 334.941	0.3950	0.4416	0.4717		
Tl 190.794	-4.9161u	-3.8964u	-1.3862u		
V 292.401	-0.4702u	-0.5273u	-0.2609u		
Zn 206.200	0.7337	0.9600	1.3999		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1818	ppb	0.1439	79.1	-23.7748
Al 308.215	19.0754	ppb	7.8163	41.0	43.9648
As 188.980	-0.3132	ppb	2.0087	641.4	-10.2873
B 249.678	-3.5962	ppb	0.5522	15.4	223.384
Ba 389.178	-2.4478	ppb	0.3311	13.5	-30.1089
Be 313.042	-0.1065	ppb	0.0028	2.6	-326.935
Ca 370.602	3593	ppb	377.7	10.5	9417
Cd 226.502	-0.0558	ppb	0.0972	174.0	30.0176
Co 228.615	-0.3077	ppb	0.2524	82.0	-6.3078
Cr 267.716	0.2963	ppb	0.2086	70.4	-5.2739
Cu 324.754	-0.5693	ppb	0.3653	64.2	185.853
Fe 271.441	43.9401	ppb	11.7777	26.8	175.902
K 766.491	8.6764	ppb	0.5606	6.5	500.100
Mg 279.078	135.449	ppb	24.2192	17.9	349.610
Mn 257.610	0.7509	ppb	0.1564	20.8	356.352
Mo 202.032	-0.4005	ppb	0.0188	4.7	12.6363
Na 330.237	152.957	ppb	167.039	109.2	61.7997
Ni 231.604	-1.5667	ppb	0.6349	40.5	-6.5232
Pb 220.353	0.4499	ppb	2.6822	596.2	32.0360
Sb 206.834	0.7408	ppb	1.5690	211.8	-0.4171
Se 196.026	0.0490	ppb	5.4133	11050.0	11.4018
Sn 189.925	-1.6491	ppb	0.9521	57.7	-8.4772
Sr 216.596	47.3352	ppb	4.9088	10.4	472.674
Ti 334.941	0.4361	ppb	0.0386	8.9	99.8864
Tl 190.794	-3.3996	ppb	1.8166	53.4	-15.7754
V 292.401	-0.4195	ppb	0.1403	33.4	-6.6074
Zn 206.200	1.0312	ppb	0.3388	32.9	325.0305

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

lcs 680-273503/2-a (Samp)		4/19/2013, 2:17:06 PM		Rack 1, Tube 21	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	11.7573	11.6935	11.7488		
Al 308.215	5316.60	5295.97	5384.21		
As 188.980	101.951	102.714	109.996		
B 249.678	195.389	195.515	199.039		
Ba 389.178	104.515	102.946	104.365		
Be 313.042	52.7678	52.5901	52.9521		
Ca 370.602	4985	4980	5017		
Cd 226.502	54.4722	54.3115	55.2206		
Co 228.615	53.1345	53.1449	53.7947		
Cr 267.716	108.200	107.413	109.173		
Cu 324.754	104.748	104.905	104.600		
Fe 271.441	5060.59	5063.67	5098.78		
K 766.491	5155.53	5136.91	5157.25		
Mg 279.078	5012.31	4998.13	5032.21		
Mn 257.610	548.438	547.221	550.349		
Mo 202.032	103.918	104.859	104.531		
Na 330.237	5274.37	5541.67	5337.39		
Ni 231.604	105.079	105.095	105.318		
Pb 220.353	50.1128	51.6382	50.2434		
Sb 206.834	46.9658	44.0858	52.8546		
Se 196.026	89.4128	94.0134	94.8672		
Sn 189.925	203.701	198.728	203.057		
Sr 216.596	103.935	104.416	105.131		
Ti 334.941	101.605	101.187	102.307		
Tl 190.794	42.4342	40.2944	41.2647		
V 292.401	103.418	103.064	102.993		
Zn 206.200	105.286	106.851	106.031		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.7332	ppb	0.0346	0.3	842.509
Al 308.215	5332.26	ppb	46.1570	0.9	11265.6
As 188.980	104.887	ppb	4.4412	4.2	54.8363
B 249.678	196.647	ppb	2.0720	1.1	2544.65
Ba 389.178	103.942	ppb	0.8655	0.8	2117.09
Be 313.042	52.7700	ppb	0.1810	0.3	88513.9
Ca 370.602	4994	ppb	19.90	0.4	12758
Cd 226.502	54.6681	ppb	0.4852	0.9	1837.19
Co 228.615	53.3580	ppb	0.3782	0.7	498.285
Cr 267.716	108.262	ppb	0.8813	0.8	3301.43
Cu 324.754	104.751	ppb	0.1525	0.1	5499.31
Fe 271.441	5074.35	ppb	21.2183	0.4	8153.24
K 766.491	5149.90	ppb	11.2830	0.2	151093
Mg 279.078	5014.22	ppb	17.1187	0.3	9878.65
Mn 257.610	548.669	ppb	1.5772	0.3	123074
Mo 202.032	104.436	ppb	0.4775	0.5	727.631
Na 330.237	5384.48	ppb	139.730	2.6	280.071
Ni 231.604	105.164	ppb	0.1338	0.1	259.384
Pb 220.353	50.6648	ppb	0.8455	1.7	115.445
Sb 206.834	47.9688	ppb	4.4696	9.3	45.4724
Se 196.026	92.7645	ppb	2.9339	3.2	54.2629
Sn 189.925	201.829	ppb	2.7049	1.3	134.807
Sr 216.596	104.494	ppb	0.6020	0.6	1005.12
Ti 334.941	101.700	ppb	0.5661	0.6	24394.5
Tl 190.794	41.3311	ppb	1.0715	2.6	23.8047
V 292.401	103.158	ppb	0.2275	0.2	2578.76
Zn 206.200	106.056	ppb	0.7829	0.7	325.033

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

lcs 680-273503/3-a (Samp)	4/19/2013, 2:22:42 PM	Rack 1, Tube 22			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	168.935	166.906			
Al 308.215	2151.09	2130.76			
As 188.980	213.882	215.497			
B 249.678	397.478	398.112			
Ba 389.178	203.393	204.806			
Be 313.042	211.205	210.271			
Ca 370.602	20328	20270			
Cd 226.502	213.380	213.080			
Co 228.615	211.106	211.837			
Cr 267.716	215.594	213.376			
Cu 324.754	211.737	210.616			
Fe 271.441	20953.3	20921.1			
K 766.491	20878.9	20782.2			
Mg 279.078	20241.2	20209.9			
Mn 257.610	2187.54	2183.63			
Mo 202.032	206.857	206.703			
Na 330.237	18580.3	18500.7			
Ni 231.604	209.352	211.526			
Pb 220.353	198.783	200.857			
Sb 206.834	193.918	193.850			
Se 196.026	190.145	193.961			
Sn 189.925	197.876	203.794			
Sr 216.596	219.733	219.658			
Ti 334.941	204.471	203.115			
Tl 190.794	42.6777	43.5544			
V 292.401	207.239	206.635			
Zn 206.200	197.943	198.247			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	168.158	ppb	1.0942	0.7	12211.4
Al 308.215	2137.40	ppb	11.8605	0.6	4524.85
As 188.980	215.317	ppb	1.3537	0.6	123.207
B 249.678	399.474	ppb	2.9261	0.7	4883.44
Ba 389.178	204.567	ppb	1.0741	0.5	4174.61
Be 313.042	210.567	ppb	0.5525	0.3	353675
Ca 370.602	20302	ppb	29.24	0.1	51588
Cd 226.502	213.472	ppb	0.4449	0.2	7084.14
Co 228.615	210.676	ppb	1.4253	0.7	1978.68
Cr 267.716	214.463	ppb	1.1096	0.5	6558.14
Cu 324.754	211.236	ppb	0.5701	0.3	10874.7
Fe 271.441	20934.3	ppb	16.8717	0.1	33300.4
K 766.491	20816.5	ppb	54.1177	0.3	609990
Mg 279.078	20237.7	ppb	26.2784	0.1	39618.8
Mn 257.610	2186.38	ppb	2.3868	0.1	489877
Mo 202.032	206.997	ppb	0.3834	0.2	1426.59
Na 330.237	18557.7	ppb	49.7002	0.3	830.926
Ni 231.604	211.244	ppb	1.7685	0.8	523.878
Pb 220.353	201.389	ppb	2.9083	1.4	366.514
Sb 206.834	196.196	ppb	4.0043	2.0	190.080
Se 196.026	197.225	ppb	9.1594	4.6	102.733
Sn 189.925	202.592	ppb	4.2438	2.1	135.354
Sr 216.596	219.931	ppb	0.4104	0.2	2088.62
Ti 334.941	203.650	ppb	0.7215	0.4	48893.7
Tl 190.794	42.6115	ppb	0.9777	2.3	22.1360
V 292.401	206.925	ppb	0.3024	0.1	5169.59
Zn 206.200	197.840	ppb	0.4672	0.2	251.241

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89217-a-1-b (Samp)	4/19/2013, 2:32:04 PM	Rack 1, Tube 23
Weight: 1	Volume: 1	Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	1.7787	1.7156	1.9309
Al 308.215	523.185	524.778	534.126
As 188.980	-0.1115	-0.9828u	0.2019
B 249.678	15.4633	15.6001	16.0099
Ba 389.178	8.0106	8.1887	7.8860
Be 313.042	0.1873	0.2016	0.2195
Ca 370.602	69907	70020	70205
Cd 226.502	1.9297	1.7985	2.0038
Co 228.615	1.2392	1.3335	1.3576
Cr 267.716	1.8017	1.5088	1.7200
Cu 324.754	2.6118	2.3802	3.1555
Fe 271.441	1271.41	1276.31	1282.34
K 766.491	1052.01	1051.72	1052.41
Mg 279.078	25369.0	25435.7	25444.4
Mn 257.610	51.8783	51.8972	52.2555
Mo 202.032	1.2469	0.5218	0.3897
Na 330.237	9274.98	9478.98	9299.98
Ni 231.604	2.2820	3.4922	3.0711
Pb 220.353	1.2138	3.4314	3.2467
Sb 206.834	1.3276	-2.5699u	0.0585
Se 196.026	6.0354	3.4446	3.2983
Sn 189.925	-6.9514u	0.7246	1.8382
Sr 216.596	885.790	887.389	891.667
Ti 334.941	11.7105	11.7203	11.8334
Tl 190.794	-1.9415u	-1.7221u	-0.8395u
V 292.401	6.4037	6.0344	6.1720
Zn 206.200	194.593	196.800	197.859

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.8084	ppb	0.1107	6.1	83.2690
Al 308.215	527.363	ppb	5.9107	1.1	1117.09
As 188.980	-0.2975	ppb	0.6139	206.4	-9.7190
B 249.678	15.6911	ppb	0.2844	1.8	446.092
Ba 389.178	8.0284	ppb	0.1521	1.9	238.102
Be 313.042	0.2028	ppb	0.0161	7.9	211.606
Ca 370.602	70044	ppb	150.4	0.2	182231
Cd 226.502	1.9107	ppb	0.1040	5.4	97.4645
Co 228.615	1.3101	ppb	0.0626	4.8	9.1065
Cr 267.716	1.6768	ppb	0.1511	9.0	37.3769
Cu 324.754	2.7158	ppb	0.3980	14.7	351.829
Fe 271.441	1276.69	ppb	5.4767	0.4	2128.97
K 766.491	1052.05	ppb	0.3482	0.0	31061.8
Mg 279.078	25416.4	ppb	41.2708	0.2	49771.6
Mn 257.610	52.0103	ppb	0.2125	0.4	11981.0
Mo 202.032	0.7195	ppb	0.4615	64.1	20.2088
Na 330.237	9351.31	ppb	111.267	1.2	448.426
Ni 231.604	2.9484	ppb	0.6143	20.8	4.7462
Pb 220.353	2.6306	ppb	1.2305	46.8	35.6598
Sb 206.834	-0.3946	ppb	1.9879	503.8	-1.4918
Se 196.026	4.2594	ppb	1.5398	36.2	13.3489
Sn 189.925	-1.4629	ppb	4.7857	327.2	-8.3195
Sr 216.596	888.282	ppb	3.0388	0.3	8355.91
Ti 334.941	11.7547	ppb	0.0683	0.6	2911.36
Tl 190.794	-1.5010	ppb	0.5834	38.9	-14.1793
V 292.401	6.2034	ppb	0.1867	3.0	160.257
Zn 206.200	196.417	ppb	1.6663	0.8f	249.956

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89217-a-1-bSD ^5 (Samp)	4/19/2013, 2:37:41 PM		Rack 1, Tube 24		
Weight: 1	Volume: 1			Dilution: 1	
Label Replicates Concentration					
Ag 328.068	-0.0280u	0.4032	0.2224		
Al 308.215	94.7193	102.438	100.992		
As 188.980	-0.1148	0.5168	3.9960		
B 249.678	-4.0955u	-3.3006u	-3.5889u		
Ba 389.178	-0.8705u	0.1853	-1.2362u		
Be 313.042	-0.0615u	-0.0771u	-0.0666u		
Ca 370.602	14109	14070	14097		
Cd 226.502	0.2400	0.3519	0.3874		
Co 228.615	-0.1975u	-0.1922u	-0.0488u		
Cr 267.716	0.4409	-0.2385u	0.3558		
Cu 324.754	-0.7708u	-0.8753u	-0.0572u		
Fe 271.441	244.999	256.628	260.678		
K 766.491	197.888	197.399	196.453		
Mg 279.078	5054.21	5055.05	5070.34		
Mn 257.610	10.0776	10.0693	10.1346		
Mo 202.032	0.0131	-0.1152u	0.4965		
Na 330.237	1904.40	1714.97	1862.72		
Ni 231.604	-0.8547u	-0.0837u	-0.6367u		
Pb 220.353	2.0906	2.4002	-2.3245u		
Sb 206.834	1.7671	-3.6333u	-2.7519u		
Se 196.026	-1.6024u	-5.9094u	-8.5399u		
Sn 189.925	-0.1911u	-0.4071u	-0.5380u		
Sr 216.596	181.298	180.711	182.400		
Ti 334.941	2.2393	2.2354	2.2298		
Tl 190.794	0.5370	-2.3047u	-5.1967u		
V 292.401	0.9510	1.0974	0.5948		
Zn 206.200	41.4277	40.2754	39.2361		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1992	ppb	0.2165	108.7	-1.9508
Al 308.215	99.3831	ppb	4.1033	4.1	213.534
As 188.980	1.4660	ppb	2.2137	151.0	-9.0980
B 249.678	-3.6617	ppb	0.4024	11.0	222.381
Ba 389.178	-0.6405	ppb	0.7381	115.3	17.3859
Be 313.042	-0.0684	ppb	0.0079	11.6	-260.034
Ca 370.602	14092	ppb	20.06	0.1	36721
Cd 226.502	0.3264	ppb	0.0769	23.6	43.0622
Co 228.615	-0.1462	ppb	0.0844	57.7	-4.7709
Cr 267.716	0.1861	ppb	0.3701	198.9	-8.5823
Cu 324.754	-0.5678	ppb	0.4452	78.4	185.999
Fe 271.441	254.102	ppb	8.1394	3.2	508.917
K 766.491	197.247	ppb	0.7295	0.4	6023.57
Mg 279.078	5059.87	ppb	9.0797	0.2	9976.42
Mn 257.610	10.0938	ppb	0.0355	0.4	2476.74
Mo 202.032	0.1315	ppb	0.3225	245.4	16.2541
Na 330.237	1827.36	ppb	99.5397	5.4	132.162
Ni 231.604	-0.5251	ppb	0.3974	75.7	-3.9247
Pb 220.353	0.7221	ppb	2.6430	366.0	32.4878
Sb 206.834	-1.5393	ppb	2.8972	188.2	-2.6297
Se 196.026	-5.3506	ppb	3.5023	65.5	8.9124
Sn 189.925	-0.3787	ppb	0.1752	46.3	-7.5784
Sr 216.596	181.470	ppb	0.8574	0.5	1730.05
Ti 334.941	2.2348	ppb	0.0048	0.2	550.100
Tl 190.794	-2.3215	ppb	2.8669	123.5	-14.8207
V 292.401	0.8811	ppb	0.2585	29.3	26.1219
Zn 206.200	40.3131	ppb	1.0963	1842.7f	3258768

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)		4/19/2013, 2:43:26 PM		Rack 1, Tube 25		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	487.786	483.510	482.861			
Al 308.215	4924.88	4885.58	4938.60			
As 188.980	457.341	464.834	469.813			
B 249.678	483.483	486.803	493.625			
Ba 389.178	5125.64	5122.35	5130.45			
Be 313.042	511.118	511.898	512.504			
Ca 370.602	4950	4944	4966			
Cd 226.502	518.377	519.676	522.906			
Co 228.615	516.280	518.394	520.878			
Cr 267.716	5166.47	5148.34	5175.54			
Cu 324.754	5099.27	5092.39	5100.89			
Fe 271.441	4899.97	4905.80	4928.64			
K 766.491	9966.01	9978.18	9977.73			
Mg 279.078	4892.91	4899.07	4942.24			
Mn 257.610	5185.07	5195.50	5207.16			
Mo 202.032	496.652	500.269	504.996			
Na 330.237	7255.28	7399.53	7544.84			
Ni 231.604	2620.98	2623.00	2642.59			
Pb 220.353	495.426	497.445	505.065			
Sb 206.834	939.387	937.024	950.641			
Se 196.026	4962.73	4975.95	5011.72			
Sn 189.925	4984.77	4999.95	5040.24			
Sr 216.596	2530.34	2530.58	2545.19			
Ti 334.941	496.340	495.819	496.938			
Tl 190.794	5042.63	5056.26	5097.95			
V 292.401	4961.15	4968.72	4984.16			
Zn 206.200	2566.64	2547.68	2569.90			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	484.719	ppb	2.6758	0.6	35155.4	96.94380
Al 308.215	4916.35	ppb	27.5210	0.6	10374.9	98.32704
As 188.980	463.996	ppb	6.2782	1.4	277.266	92.79918
B 249.678	487.970	ppb	5.1705	1.1	5930.29	19.51881Q
Ba 389.178	5126.15	ppb	4.0771	0.1	102879	102.52294
Be 313.042	511.840	ppb	0.6951	0.1	859766	102.36803
Ca 370.602	4953	ppb	11.20	0.2	12861	99.06190
Cd 226.502	520.320	ppb	2.3320	0.4	17122.8	104.06393
Co 228.615	518.517	ppb	2.3014	0.4	4885.98	103.70347
Cr 267.716	5163.45	ppb	13.8499	0.3	158039	103.26907
Cu 324.754	5097.52	ppb	4.5147	0.1	257190	101.95030
Fe 271.441	4911.47	ppb	15.1533	0.3	8004.54	98.22942
K 766.491	9973.98	ppb	6.8989	0.1	292397	99.73978
Mg 279.078	4911.41	ppb	26.8788	0.5	9608.60	98.22813
Mn 257.610	5195.91	ppb	11.0506	0.2	1163568	103.91814
Mo 202.032	500.639	ppb	4.1841	0.8	3422.73	100.12774
Na 330.237	7399.88	ppb	144.781	2.0	347.683	98.66511
Ni 231.604	2628.86	ppb	11.9363	0.5	6544.47	105.15441
Pb 220.353	499.312	ppb	5.0836	1.0	862.400	99.86247
Sb 206.834	942.351	ppb	7.2762	0.8	957.779	94.23506
Se 196.026	4983.47	ppb	25.3471	0.5	2311.02	99.66940
Sn 189.925	5008.32	ppb	28.6670	0.6	3519.39	100.16640
Sr 216.596	2535.37	ppb	8.5044	0.3	23724.9	101.41484
Ti 334.941	496.366	ppb	0.5603	0.1	119005	99.27314
Tl 190.794	5065.61	ppb	28.8192	0.6	4570.06	101.31225
V 292.401	4971.34	ppb	11.7259	0.2	124836	99.42680
Zn 206.200	2561.41	ppb	11.9978	0.5f	3238.15	102.45625

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/19/2013, 2:49:00 PM		Rack 1, Tube 26		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.4879u	-0.2015u	0.2378			
Al 308.215	-13.4804u	-20.1450u	-16.6957u			
As 188.980	4.4460	-0.1211u	4.9458			
B 249.678	0.9585	0.6032	-0.5593u			
Ba 389.178	-1.2343u	-0.9367u	-1.0643u			
Be 313.042	-0.0741u	-0.0439u	-0.0346u			
Ca 370.602	-23.52u	-21.80u	-22.57u			
Cd 226.502	-0.0323u	-0.0148u	-0.0379u			
Co 228.615	-0.9269u	0.1836	-0.3562u			
Cr 267.716	0.2112	0.3196	0.1584			
Cu 324.754	-1.0205u	-0.3635u	-0.4217u			
Fe 271.441	-12.6317u	-13.2133u	-15.8263u			
K 766.491	-1.2815u	-0.1364u	0.3534			
Mg 279.078	-25.8338u	-25.3876u	-25.1588u			
Mn 257.610	-0.2718u	0.0219	0.2395			
Mo 202.032	1.2061	0.1929	-0.0477u			
Na 330.237	13.2510	55.9442	-160.988u			
Ni 231.604	-1.8529u	-1.6817u	-2.4472u			
Pb 220.353	-0.8013u	-3.2729u	-1.9222u			
Sb 206.834	3.8951	2.8175	10.0242			
Se 196.026	-1.5184u	5.8427	-6.5181u			
Sn 189.925	2.0757	-0.6836u	-2.8600u			
Sr 216.596	-0.8928u	0.5982	-0.2918u			
Ti 334.941	-0.0759u	-0.0422u	-0.0715u			
Tl 190.794	3.9601	2.4295	3.6537			
V 292.401	0.0392	0.1423	0.7400			
Zn 206.200	0.1257	1.7530	-1.0081u			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1505	ppb	0.3655	242.8	-19.4549	-0.15054
Al 308.215	-16.7737	ppb	3.3330	19.9	-31.6834	-16.77369
As 188.980	3.0902	ppb	2.7923	90.4	-8.2084	3.09024
B 249.678	0.3341	ppb	0.7939	237.6	269.126	0.33413
Ba 389.178	-1.0784	ppb	0.1493	13.8	-3.0129	-1.07843
Be 313.042	-0.0508	ppb	0.0206	40.6	-234.598	-0.05084
Ca 370.602	-22.63	ppb	0.8618	3.8	15.00	-22.62718
Cd 226.502	-0.0284	ppb	0.0120	42.5	30.7953	-0.02837
Co 228.615	-0.3665	ppb	0.5553	151.5	-6.8943	-0.36652
Cr 267.716	0.2297	ppb	0.0822	35.8	-7.3305	0.22973
Cu 324.754	-0.6019	ppb	0.3637	60.4	184.210	-0.60191
Fe 271.441	-13.8905	ppb	1.7015	12.2	84.3432	-13.89047
K 766.491	-0.3548	ppb	0.8391	236.5	235.562	-0.35483
Mg 279.078	-25.4601	ppb	0.3433	1.3	35.0534	-25.46009
Mn 257.610	-0.0035	ppb	0.2566	7412.7	186.343	-0.00346
Mo 202.032	0.4504	ppb	0.6654	147.7	18.4445	0.45043
Na 330.237	-30.5978	ppb	114.922	375.6	54.0750	-30.59775
Ni 231.604	-1.9939	ppb	0.4018	20.1	-7.5882	-1.99393
Pb 220.353	-1.9988	ppb	1.2376	61.9	27.9594	-1.99879
Sb 206.834	5.5790	ppb	3.8872	69.7	4.2516	5.57895
Se 196.026	-0.7313	ppb	6.2179	850.3	11.0421	-0.73126
Sn 189.925	-0.4893	ppb	2.4736	505.5	-7.6618	-0.48930
Sr 216.596	-0.1955	ppb	0.7501	383.8	27.0999	-0.19548
Ti 334.941	-0.0632	ppb	0.0183	29.0	-20.4250	-0.06318
Tl 190.794	3.3477	ppb	0.8099	24.2	-9.6610	3.34772
V 292.401	0.3072	ppb	0.3783	123.2	11.5335	0.30717
Zn 206.200	0.2902	ppb	1.3879	1478.2	325.0903	0.29022

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89217-a-1-bPDS (Samp)		4/19/2013, 2:54:34 PM		Rack 1, Tube 27		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	50.8454	51.3586	51.5371			
Al 308.215	2580.87	2584.48	2573.81			
As 188.980	2086.09	2090.22	2086.33			
B 249.678	998.177	1005.15	1010.19			
Ba 389.178	2084.37	2088.53	2083.91			
Be 313.042	51.0997	51.1665	51.0677			
Ca 370.602	74086	74013	73892			
Cd 226.502	54.0939	54.0301	53.8141			
Co 228.615	521.427	525.253	525.080			
Cr 267.716	210.872	210.646	210.466			
Cu 324.754	261.672	260.265	263.548			
Fe 271.441	2197.53	2201.66	2205.63			
K 766.491	6553.47	6556.73	6579.04			
Mg 279.078	30037.3	30050.9	30012.5			
Mn 257.610	579.891	580.502	580.267			
Mo 202.032	523.586	527.171	523.885			
Na 330.237	14653.5	14644.5	14447.0			
Ni 231.604	517.777	519.774	519.426			
Pb 220.353	496.822	496.752	504.550			
Sb 206.834	492.280	503.084	492.923			
Se 196.026	2025.79	2032.59	2007.04			
Sn 189.925	1027.93	1036.07	1027.06			
Sr 216.596	1400.19	1400.94	1396.98			
Ti 334.941	1023.40	1025.03	1024.63			
Tl 190.794	2065.55	2063.76	2068.56			
V 292.401	507.161	507.679	508.705			
Zn 206.200	698.789	693.657	699.345			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	51.2470	ppb	0.3591	0.7	3659.71	
Al 308.215	2579.72	ppb	5.4282	0.2	5472.03	
As 188.980	2087.55	ppb	2.3151	0.1	1283.96	
B 249.678	1004.51	ppb	6.0318	0.6	11936.2	
Ba 389.178	2085.60	ppb	2.5417	0.1	41930.5	
Be 313.042	51.1113	ppb	0.0505	0.1	85674.0	
Ca 370.602	73997	ppb	97.64	0.1	192620	
Cd 226.502	53.9793	ppb	0.1466	0.3	1808.79	
Co 228.615	523.920	ppb	2.1608	0.4	4936.74	
Cr 267.716	210.661	ppb	0.2033	0.1	6434.62	
Cu 324.754	261.829	ppb	1.6469	0.6	13425.6	
Fe 271.441	2201.60	ppb	4.0493	0.2	3673.96	
K 766.491	6563.08	ppb	13.9149	0.2	192487	
Mg 279.078	30033.6	ppb	19.4360	0.1	58789.6	
Mn 257.610	580.220	ppb	0.3078	0.1	130273	
Mo 202.032	524.881	ppb	1.9890	0.4	3596.20	
Na 330.237	14581.7	ppb	116.718	0.8	659.435	
Ni 231.604	518.992	ppb	1.0672	0.2	1289.94	
Pb 220.353	499.374	ppb	4.4820	0.9	861.233	
Sb 206.834	496.096	ppb	6.0605	1.2	474.619	
Se 196.026	2021.81	ppb	13.2303	0.7	943.998	
Sn 189.925	1030.35	ppb	4.9728	0.5	718.257	
Sr 216.596	1399.37	ppb	2.1054	0.2	13119.8	
Ti 334.941	1024.36	ppb	0.8488	0.1	245674	
Tl 190.794	2065.95	ppb	2.4240	0.1	1857.70	
V 292.401	507.848	ppb	0.7856	0.2	12704.0	
Zn 206.200	697.264	ppb	3.1356	0.4	884.972	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89217-a-1-c ms (Samp)		4/19/2013, 3:00:08 PM		Rack 1, Tube 28		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	9.2408	9.8238	9.7495			
Al 308.215	5936.09	5945.61	5945.18			
As 188.980	108.398	106.023	106.487			
B 249.678	209.335	209.447	208.435			
Ba 389.178	114.560	115.052	115.997			
Be 313.042	52.6900	52.7826	52.9539			
Ca 370.602	74980	74859	74936			
Cd 226.502	56.2511	56.5663	56.3996			
Co 228.615	53.9429	55.0480	55.2491			
Cr 267.716	109.529	108.476	109.294			
Cu 324.754	108.401	108.323	109.450			
Fe 271.441	6201.66	6206.80	6233.87			
K 766.491	6668.26	6705.22	6716.61			
Mg 279.078	30641.5	30682.9	30713.5			
Mn 257.610	589.503	589.951	591.242			
Mo 202.032	98.8757	100.339	101.025			
Na 330.237	14635.6	14724.6	14674.4			
Ni 231.604	109.447	108.499	109.951			
Pb 220.353	49.8870	53.7656	49.6655			
Sb 206.834	52.9156	47.9940	51.7413			
Se 196.026	101.883	98.7661	103.948			
Sn 189.925	166.618	169.604	168.950			
Sr 216.596	993.227	989.550	991.029			
Ti 334.941	112.356	112.649	112.619			
Tl 190.794	43.1514	42.9240	45.1158			
V 292.401	109.648	109.852	110.525			
Zn 206.200	303.162	298.630	299.949			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	9.6047	ppb	0.3173	3.3	649.413	
Al 308.215	5942.29	ppb	5.3763	0.1	12553.3	
As 188.980	106.969	ppb	1.2588	1.2	56.7064	
B 249.678	209.072	ppb	0.5546	0.3	2687.73	
Ba 389.178	115.203	ppb	0.7301	0.6	2401.57	
Be 313.042	52.8088	ppb	0.1339	0.3	88599.3	
Ca 370.602	74925	ppb	61.51	0.1	194631	
Cd 226.502	56.4056	ppb	0.1577	0.3	1896.92	
Co 228.615	54.7467	ppb	0.7033	1.3	511.711	
Cr 267.716	109.100	ppb	0.5528	0.5	3327.43	
Cu 324.754	108.725	ppb	0.6295	0.6	5699.80	
Fe 271.441	6214.11	ppb	17.3059	0.3	9959.02	
K 766.491	6696.70	ppb	25.2770	0.4	196401	
Mg 279.078	30679.3	ppb	36.1095	0.1	60051.7	
Mn 257.610	590.232	ppb	0.9032	0.2	132529	
Mo 202.032	100.080	ppb	1.0978	1.1	697.837	
Na 330.237	14678.2	ppb	44.6703	0.3	670.754	
Ni 231.604	109.299	ppb	0.7375	0.7	269.704	
Pb 220.353	51.1060	ppb	2.3059	4.5	116.177	
Sb 206.834	50.8836	ppb	2.5705	5.1	48.3788	
Se 196.026	101.533	ppb	2.6089	2.6	58.3105	
Sn 189.925	168.391	ppb	1.5696	0.9	111.289	
Sr 216.596	991.269	ppb	1.8499	0.2	9317.98	
Ti 334.941	112.542	ppb	0.1612	0.1	27092.6	
Tl 190.794	43.7304	ppb	1.2052	2.8	25.8741	
V 292.401	110.008	ppb	0.4590	0.4	2752.40	
Zn 206.200	300.580	ppb	2.3308	0.85	381.866	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89217-a-1-d msd (Samp) **4/19/2013, 3:05:42 PM** **Rack 1, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration			
Ag 328.068	9.5549	9.3350	9.5162		
Al 308.215	5968.73	5965.51	5972.50		
As 188.980	102.589	104.355	111.090		
B 249.678	200.157	202.122	202.660		
Ba 389.178	113.332	113.727	114.039		
Be 313.042	53.0669	52.9361	52.9109		
Ca 370.602	74579	74561	74537		
Cd 226.502	57.0468	56.7124	56.5927		
Co 228.615	54.2686	55.4571	54.8139		
Cr 267.716	109.644	109.640	109.604		
Cu 324.754	108.376	108.285	108.875		
Fe 271.441	6244.76	6228.99	6231.66		
K 766.491	6689.41	6679.08	6684.59		
Mg 279.078	30586.0	30566.4	30561.2		
Mn 257.610	593.088	592.250	592.082		
Mo 202.032	98.6104	100.519	101.104		
Na 330.237	14810.2	14793.6	14769.8		
Ni 231.604	108.841	108.076	107.890		
Pb 220.353	52.6703	53.8628	50.9127		
Sb 206.834	49.5962	45.4074	45.8365		
Se 196.026	109.263	104.034	104.880		
Sn 189.925	169.436	164.782	172.233		
Sr 216.596	986.372	986.076	986.024		
Ti 334.941	111.775	111.697	112.065		
Tl 190.794	38.7699	42.4303	46.4703		
V 292.401	109.161	109.107	109.415		
Zn 206.200	300.291	301.133	299.922		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.4687	ppb	0.1174	1.2	639.747
Al 308.215	5968.91	ppb	3.4952	0.1	12609.5
As 188.980	106.011	ppb	4.4862	4.2	56.1098
B 249.678	201.646	ppb	1.3175	0.7	2601.40
Ba 389.178	113.699	ppb	0.3540	0.3	2371.18
Be 313.042	52.9713	ppb	0.0837	0.2	88872.2
Ca 370.602	74559	ppb	21.38	0.0	193677
Cd 226.502	56.7840	ppb	0.2354	0.4	1909.38
Co 228.615	54.8465	ppb	0.5949	1.1	512.627
Cr 267.716	109.629	ppb	0.0222	0.0	3343.65
Cu 324.754	108.512	ppb	0.3176	0.3	5689.09
Fe 271.441	6235.14	ppb	8.4410	0.1	9992.20
K 766.491	6684.36	ppb	5.1695	0.1	196040
Mg 279.078	30571.2	ppb	13.0743	0.0	59840.3
Mn 257.610	592.473	ppb	0.5390	0.1	133030
Mo 202.032	100.078	ppb	1.3040	1.3	697.823
Na 330.237	14791.2	ppb	20.3453	0.1	675.523
Ni 231.604	108.269	ppb	0.5042	0.5	267.138
Pb 220.353	52.4819	ppb	1.4840	2.8	118.468
Sb 206.834	46.9467	ppb	2.3045	4.9	44.5681
Se 196.026	106.059	ppb	2.8068	2.6	60.3986
Sn 189.925	168.817	ppb	3.7641	2.2	111.589
Sr 216.596	986.157	ppb	0.1880	0.0	9270.08
Ti 334.941	111.845	ppb	0.1942	0.2	26925.3
Tl 190.794	42.5568	ppb	3.8518	9.1	24.8066
V 292.401	109.227	ppb	0.1646	0.2	2732.65
Zn 206.200	300.449	ppb	0.6203	2.0	381.698

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89217-a-2-b (Samp) **4/19/2013, 3:11:17 PM** **Rack 1, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration	
Ag 328.068	3.3065	3.4674	2.7298
Al 308.215	23.9931	25.8106	24.6104
As 188.980	3.3211	2.8281	-0.0868
B 249.678	11.6842	11.6444	11.1880
Ba 389.178	66.8370	68.0663	67.4069
Be 313.042	-0.0352u	-0.0347u	-0.0450u
Ca 370.602	46986	47063	47162
Cd 226.502	-0.2331u	-0.1255u	-0.0838u
Co 228.615	0.4884	0.3632	-0.2719u
Cr 267.716	7.2475	7.2711	7.2077
Cu 324.754	-0.2351u	-0.5671u	-0.3020u
Fe 271.441	52.5575	52.9494	58.0919
K 766.491	241.180	240.152	240.891
Mg 279.078	33359.7	33333.3	33429.8
Mn 257.610	64.5492	64.4228	64.5661
Mo 202.032	1.0889	0.4119	0.1533
Na 330.237	11428.3	11423.7	11618.4
Ni 231.604	3.0618	4.0331	3.4888
Pb 220.353	0.0231	1.3995	0.5544
Sb 206.834	0.5435	-9.1696u	-0.4267u
Se 196.026	-3.6305u	-9.6617u	-7.2377u
Sn 189.925	5.8346	-1.1007u	-4.1977u
Sr 216.596	706.371	711.123	711.393
Ti 334.941	-0.0449	0.1277	-0.0637
Tl 190.794	-0.0012u	-0.5226u	-3.0958u
V 292.401	15.8608	16.0403	16.2250
Zn 206.200	4.8937	3.7228	4.9955

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.1679	ppb	0.3878	12.2	191.022
Al 308.215	24.8047	ppb	0.9242	3.7	55.9974
As 188.980	2.0208	ppb	1.8418	91.1	-8.4736
B 249.678	11.5055	ppb	0.2757	2.4	398.875
Ba 389.178	67.4368	ppb	0.6152	0.9	1447.40
Be 313.042	-0.0383	ppb	0.0058	15.2	-201.734
Ca 370.602	47070	ppb	87.91	0.2	122539
Cd 226.502	-0.1475	ppb	0.0770	52.2	27.3457
Co 228.615	0.1932	ppb	0.4077	211.0	-1.5992
Cr 267.716	7.2421	ppb	0.0320	0.4	207.557
Cu 324.754	-0.3680	ppb	0.1756	47.7	195.863
Fe 271.441	54.5329	ppb	3.0884	5.7	192.859
K 766.491	240.741	ppb	0.5304	0.2	7297.58
Mg 279.078	33374.3	ppb	49.8447	0.1	65328.5
Mn 257.610	64.5127	ppb	0.0783	0.1	14820.9
Mo 202.032	0.5513	ppb	0.4831	87.6	19.1020
Na 330.237	11490.1	ppb	111.134	1.0	540.243
Ni 231.604	3.5279	ppb	0.4869	13.8	6.1648
Pb 220.353	0.6590	ppb	0.6941	105.3	32.3966
Sb 206.834	-3.0176	ppb	5.3498	177.3	-4.0015
Se 196.026	-6.8433	ppb	3.0349	44.3	8.2378
Sn 189.925	0.1787	ppb	5.1370	2874.4	-7.1715
Sr 216.596	709.629	ppb	2.8247	0.4	6679.94
Ti 334.941	0.0064	ppb	0.1055	1660.5	125.056
Tl 190.794	-1.2065	ppb	1.6568	137.3	-13.8682
V 292.401	16.0420	ppb	0.1821	1.1	407.732
Zn 206.200	4.5373	ppb	0.7072	196.65	325.4630

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89217-a-3-b (Samp)	4/19/2013, 3:16:52 PM	Rack 1, Tube 31
Weight: 1	Volume: 1	Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	7.9523	7.9855	7.7824
Al 308.215	126.248	134.423	131.727
As 188.980	2.4230	0.2281	-0.6824u
B 249.678	15.9189	16.3084	15.7030
Ba 389.178	0.6580	-0.0343	-0.8794
Be 313.042	-0.0672u	-0.0826u	-0.0763u
Ca 370.602	29096	29236	29253
Cd 226.502	-0.0911u	-0.0615u	-0.1474u
Co 228.615	1.3724	1.2001	0.7571
Cr 267.716	75.8060	76.6429	76.3739
Cu 324.754	20.9999	21.5267	21.2574
Fe 271.441	103.024	100.825	96.5171
K 766.491	581.996	580.867	581.794
Mg 279.078	8818.96	8835.49	8839.46
Mn 257.610	53.2017	53.2703	53.1079
Mo 202.032	0.3164	0.4381	0.2655
Na 330.237	5997.78	5911.94	5815.80
Ni 231.604	3.8293	2.3614	3.4931
Pb 220.353	1.0242	-0.5898u	-0.9565u
Sb 206.834	0.9568	-3.5343u	-6.3454u
Se 196.026	-2.2960u	-7.4705u	-4.4682u
Sn 189.925	-1.0435u	-1.7805u	0.7609
Sr 216.596	336.396	337.146	338.729
Ti 334.941	0.8504	0.8447	0.8671
Tl 190.794	6.0935	-0.4159u	-0.8179u
V 292.401	6.4697	6.6389	6.4473
Zn 206.200	30.8480	31.6059	30.3695

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	7.9067	ppb	0.1090	1.4	551.567
Al 308.215	130.799	ppb	4.1660	3.2	279.837
As 188.980	0.6562	ppb	1.5963	243.3	-9.4703
B 249.678	15.9767	ppb	0.3068	1.9	450.783
Ba 389.178	-0.0852	ppb	0.7700	903.6	37.1085
Be 313.042	-0.0754	ppb	0.0078	10.3	-267.882
Ca 370.602	29195	ppb	86.15	0.3	76028
Cd 226.502	-0.1000	ppb	0.0436	43.6	28.7590
Co 228.615	1.1099	ppb	0.3174	28.6	7.2234
Cr 267.716	76.2743	ppb	0.4273	0.6	2320.84
Cu 324.754	21.2613	ppb	0.2634	1.2	1286.50
Fe 271.441	100.122	ppb	3.3098	3.3	265.283
K 766.491	581.552	ppb	0.6023	0.1	17280.4
Mg 279.078	8831.30	ppb	10.8708	0.1	17348.7
Mn 257.610	53.1933	ppb	0.0815	0.2	12147.7
Mo 202.032	0.3400	ppb	0.0887	26.1	17.6748
Na 330.237	5908.50	ppb	91.0390	1.5	304.504
Ni 231.604	3.2279	ppb	0.7691	23.8	5.4188
Pb 220.353	-0.1740	ppb	1.0538	605.5	31.0050
Sb 206.834	-2.9743	ppb	3.6832	123.8	-3.3057
Se 196.026	-4.7449	ppb	2.5983	54.8	9.2026
Sn 189.925	-0.6877	ppb	1.3076	190.1	-7.7895
Sr 216.596	337.423	ppb	1.1910	0.4	3192.06
Ti 334.941	0.8541	ppb	0.0116	1.4	233.528
Tl 190.794	1.6199	ppb	3.8795	239.5	-11.2987
V 292.401	6.5186	ppb	0.1047	1.6	163.777
Zn 206.200	30.9411	ppb	0.6234	1912.0f	325 39.7960

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89217-a-4-b (Samp) **4/19/2013, 3:22:27 PM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration			
Ag 328.068	22.7244	22.5215	22.3584		
Al 308.215	80.2504	79.0468	79.9398		
As 188.980	-3.3864u	-4.6303u	0.7246		
B 249.678	46.3317	47.8202	47.8890		
Ba 389.178	25.1382	25.9794	25.1547		
Be 313.042	-0.1053u	-0.1047u	-0.0975u		
Ca 370.602	52795	52840	53017		
Cd 226.502	0.4469	0.1986	0.1186		
Co 228.615	0.0965	0.2095	-0.4459u		
Cr 267.716	1.3011	1.0204	0.9107		
Cu 324.754	3.3717	2.1740	1.8821		
Fe 271.441	440.010	444.505	448.640		
K 766.491	12757.0	12718.9	12706.4		
Mg 279.078	4880.62	4882.03	4895.93		
Mn 257.610	57.5940	57.6076	57.5828		
Mo 202.032	3.0632	3.7069	3.6092		
Na 330.237	17099.7	17375.6	17325.0		
Ni 231.604	-0.2021u	0.0120	0.5972		
Pb 220.353	-0.1608u	0.9186	1.8878		
Sb 206.834	-5.0826u	-0.9379u	1.4693		
Se 196.026	-0.9947u	-5.0001u	-10.2890u		
Sn 189.925	-3.3797u	0.0202	2.3401		
Sr 216.596	688.588	689.886	694.076		
Ti 334.941	1.7971	1.9380	1.8836		
Tl 190.794	-0.1757u	0.7389	-2.7273u		
V 292.401	2.5630	2.7989	2.3572		
Zn 206.200	64.0599	67.4764	65.4986		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.5348	ppb	0.1834	0.8	1599.13
Al 308.215	79.7456	ppb	0.6248	0.8	172.222
As 188.980	-2.4307	ppb	2.8025	115.3	-11.1856
B 249.678	47.3470	ppb	0.8799	1.9	814.971
Ba 389.178	25.4241	ppb	0.4810	1.9	539.964
Be 313.042	-0.1025	ppb	0.0043	4.2	-307.909
Ca 370.602	52884	ppb	117.1	0.2	137638
Cd 226.502	0.2547	ppb	0.1712	67.2	41.0423
Co 228.615	-0.0466	ppb	0.3503	751.8	-3.9264
Cr 267.716	1.0774	ppb	0.2013	18.7	19.0146
Cu 324.754	2.4759	ppb	0.7894	31.9	339.588
Fe 271.441	444.385	ppb	4.3162	1.0	810.357
K 766.491	12727.4	ppb	26.3176	0.2	373050
Mg 279.078	4886.19	ppb	8.4584	0.2	9636.22
Mn 257.610	57.5948	ppb	0.0125	0.0	13112.0
Mo 202.032	3.4598	ppb	0.3469	10.0	38.9549
Na 330.237	17266.8	ppb	146.912	0.9	783.557
Ni 231.604	0.1357	ppb	0.4137	304.9	-2.2754
Pb 220.353	0.8819	ppb	1.0248	116.2	32.7602
Sb 206.834	-1.5171	ppb	3.3141	218.5	-2.6379
Se 196.026	-5.4279	ppb	4.6619	85.9	8.8867
Sn 189.925	-0.3398	ppb	2.8768	846.5	-7.5329
Sr 216.596	690.850	ppb	2.8682	0.4	6504.68
Ti 334.941	1.8729	ppb	0.0711	3.8	461.768
Tl 190.794	-0.7214	ppb	1.7963	249.0	-13.4440
V 292.401	2.5730	ppb	0.2210	8.6	67.9871
Zn 206.200	65.6783	ppb	1.7153	192.6f	84.0609

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89217-a-5-b (Samp)		4/19/2013, 3:28:02 PM		Rack 1, Tube 33		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	6.7223	6.8874	7.3265			
Al 308.215	50.8793	50.9355	52.3461			
As 188.980	-0.8308	0.4158	-3.0118u			
B 249.678	29.0428	29.5505	28.7133			
Ba 389.178	72.1226	71.7727	71.0707			
Be 313.042	-0.0909u	-0.0947u	-0.0898u			
Ca 370.602	73335	73255	73142			
Cd 226.502	0.2472	0.4076	0.2471			
Co 228.615	0.2433	-0.1465u	0.6153			
Cr 267.716	2.7703	2.8845	2.8867			
Cu 324.754	0.3714	0.0064	-0.2558u			
Fe 271.441	60.0643	55.6131	53.3481			
K 766.491	194.389	194.686	193.999			
Mg 279.078	44452.5	44474.4	44462.5			
Mn 257.610	376.787	377.256	377.012			
Mo 202.032	0.1137	-0.3558u	-0.3997u			
Na 330.237	14306.7	14087.0	14210.5			
Ni 231.604	2.9808	3.4144	2.5885			
Pb 220.353	0.2138	-2.0889u	-0.7134u			
Sb 206.834	-1.1355u	-8.5484u	-0.2015u			
Se 196.026	-2.7550u	7.8775	-4.6242u			
Sn 189.925	0.2872	-2.8060u	-4.2875u			
Sr 216.596	1087.85	1085.46	1085.89			
Ti 334.941	-0.3911	-0.4108	-0.4176			
Tl 190.794	-0.9871u	-2.8071u	1.2492			
V 292.401	6.1989	6.3264	6.0264			
Zn 206.200	3.9677	6.3111	3.8728			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	6.9787	ppb	0.3123	4.5	452.658	
Al 308.215	51.3870	ppb	0.8311	1.6	112.151	
As 188.980	-1.1423	ppb	1.7349	151.9	-10.2110	
B 249.678	29.1022	ppb	0.4217	1.4	603.367	
Ba 389.178	71.6553	ppb	0.5357	0.7	1557.20	
Be 313.042	-0.0918	ppb	0.0026	2.8	-283.871	
Ca 370.602	73244	ppb	97.00	0.1	190644	
Cd 226.502	0.3006	ppb	0.0926	30.8	42.1746	
Co 228.615	0.2374	ppb	0.3809	160.5	-1.1807	
Cr 267.716	2.8472	ppb	0.0666	2.3	73.9613	
Cu 324.754	0.0407	ppb	0.3150	774.0	216.554	
Fe 271.441	56.3419	ppb	3.4169	6.1	195.680	
K 766.491	194.358	ppb	0.3442	0.2	5938.96	
Mg 279.078	44463.1	ppb	11.0013	0.0	87001.9	
Mn 257.610	377.018	ppb	0.2347	0.1	84852.6	
Mo 202.032	-0.2139	ppb	0.2846	133.0	13.8969	
Na 330.237	14201.4	ppb	110.126	0.8	654.667	
Ni 231.604	2.9946	ppb	0.4131	13.8	4.8367	
Pb 220.353	-0.8628	ppb	1.1586	134.3	29.9315	
Sb 206.834	-3.2952	ppb	4.5734	138.8	-4.3050	
Se 196.026	0.1661	ppb	6.7434	4059.8	11.5428	
Sn 189.925	-2.2688	ppb	2.3342	102.9	-8.8849	
Sr 216.596	1086.40	ppb	1.2732	0.1	10211.4	
Ti 334.941	-0.4065	ppb	0.0138	3.4	68.9371	
Tl 190.794	-0.8483	ppb	2.0317	239.5	-13.9633	
V 292.401	6.1839	ppb	0.1506	2.4	159.923	
Zn 206.200	4.7172	ppb	1.3812	Page 1939.3f	3257024	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89217-a-6-b (Samp)		4/19/2013, 3:33:38 PM		Rack 1, Tube 34	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	11.0962	11.2280	10.7261		
Al 308.215	32.9754	43.5093	35.1230		
As 188.980	2.0365	-2.0398u	1.9730		
B 249.678	56.3177	56.2122	56.2038		
Ba 389.178	8.0833	7.1473	7.4679		
Be 313.042	-0.1004u	-0.0956u	-0.1062u		
Ca 370.602	37370	37339	37313		
Cd 226.502	-0.2844u	-0.0111u	0.0599		
Co 228.615	0.5492	1.0259	1.3243		
Cr 267.716	0.0957	-0.1019u	0.3899		
Cu 324.754	0.1991	-0.0117u	0.1534		
Fe 271.441	15.7632	4.4095	20.5669		
K 766.491	678.876	681.019	681.372		
Mg 279.078	14949.4	14916.1	14942.4		
Mn 257.610	494.911	493.732	493.949		
Mo 202.032	-0.0506u	0.4538	-0.3054u		
Na 330.237	6469.35	6202.43	6317.25		
Ni 231.604	0.3647	0.2521	-0.1485u		
Pb 220.353	-1.7826u	-3.5083u	-1.8457u		
Sb 206.834	-3.2817u	-1.8165u	-3.9133u		
Se 196.026	-2.1565u	-6.3838u	-2.5275u		
Sn 189.925	-3.7585u	3.6219	-0.0775u		
Sr 216.596	555.609	553.670	553.196		
Ti 334.941	-0.2205	-0.2524u	-0.2086		
Tl 190.794	-2.9802u	-3.9927u	-1.6341u		
V 292.401	3.8938	3.5394	3.4229		
Zn 206.200	4.9402	6.3447	6.6935		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.0168	ppb	0.2602	2.4	770.270
Al 308.215	37.2026	ppb	5.5664	15.0	82.2334
As 188.980	0.6566	ppb	2.3353	355.7	-9.4016
B 249.678	56.2446	ppb	0.0635	0.1	918.846
Ba 389.178	7.5662	ppb	0.4757	6.3	204.376
Be 313.042	-0.1007	ppb	0.0053	5.3	-308.215
Ca 370.602	37341	ppb	28.39	0.1	97237
Cd 226.502	-0.0786	ppb	0.1818	231.4	29.3415
Co 228.615	0.9665	ppb	0.3910	40.5	5.6650
Cr 267.716	0.1279	ppb	0.2475	193.5	-9.0337
Cu 324.754	0.1136	ppb	0.1109	97.6	220.249
Fe 271.441	13.5799	ppb	8.2970	61.1	128.067
K 766.491	680.422	ppb	1.3506	0.2	20176.4
Mg 279.078	14936.0	ppb	17.5687	0.1	29276.4
Mn 257.610	494.197	ppb	0.6273	0.1	110921
Mo 202.032	0.0326	ppb	0.3864	1185.3	15.5859
Na 330.237	6329.67	ppb	133.891	2.1	322.458
Ni 231.604	0.1561	ppb	0.2697	172.8	-2.2332
Pb 220.353	-2.3789	ppb	0.9787	41.1	27.4327
Sb 206.834	-3.0038	ppb	1.0757	35.8	-4.0516
Se 196.026	-3.6893	ppb	2.3409	63.5	9.7917
Sn 189.925	-0.0714	ppb	3.6902	5171.0	-7.3525
Sr 216.596	554.158	ppb	1.2784	0.2	5222.87
Ti 334.941	-0.2272	ppb	0.0227	10.0	-2.1611
Tl 190.794	-2.8690	ppb	1.1832	41.2	-15.9467
V 292.401	3.6187	ppb	0.2453	6.8	95.1432
Zn 206.200	5.9928	ppb	0.9281	194.55f	325.3275

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89324-a-1-a (Samp)	4/19/2013, 3:39:14 PM	Rack 1, Tube 35			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	120.022	119.933			
Al 308.215	729.675	730.258			
As 188.980	18.3298	16.4130			
B 249.678	517.295	519.097			
Ba 389.178	-10.2751u	-9.7851u			
Be 313.042	0.0209u	0.0271u			
Ca 370.602	2707	2716			
Cd 226.502	-0.5250u	-0.4488u			
Co 228.615	0.5376	-0.5997u			
Cr 267.716	113.259	114.355			
Cu 324.754	2.9780	2.9347			
Fe 271.441	-68.7977u	-60.0685u			
K 766.491	40448.8x	40298.2x			
Mg 279.078	-1159.14u	-1159.87u			
Mn 257.610	185222o	183886o			
Mo 202.032	-0.6265u	0.1830			
Na 330.237	1368148x	1366006x			
Ni 231.604	-17.2979u	-19.2196u			
Pb 220.353	10.1407	16.9315			
Sb 206.834	-1.7928u	-1.2617u			
Se 196.026	105.985	97.7428			
Sn 189.925	-10.6587u	-8.4419u			
Sr 216.596	-0.1845u	0.4637			
Ti 334.941	0.4776	0.4710			
Tl 190.794	384.523	392.052			
V 292.401	-14.6497u	-14.8874u			
Zn 206.200	61.0937	62.6398			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	120.142b	ppb	0.2885	0.2	9536.04
Al 308.215	730.259b	ppb	0.5845	0.1	1545.52
As 188.980	16.5718b	ppb	1.6842	10.2	0.1713
B 249.678	518.080b	ppb	0.9234	0.2	6286.14
Ba 389.178	-10.0982b	ppb	0.2719	2.7	-189.914
Be 313.042	0.0252b	ppb	0.0037	14.9	-283.867
Ca 370.602	2708b	ppb	7.827	0.3	11332
Cd 226.502	-0.4742b	ppb	0.0440	9.3	9.7506
Co 228.615	-0.0200b	ppb	0.5690	2839.6	-3.4651
Cr 267.716	113.394b	ppb	0.9010	0.8	3977.90
Cu 324.754	2.9721b	ppb	0.0347	1.2	364.519
Fe 271.441	-64.3064b	ppb	4.3701	6.8	4.5034
K 766.491	40359.1xb	ppb	79.3101	0.2	1182419
Mg 279.078	-1155.29b	ppb	7.3207	0.6	-4904.66
Mn 257.610	183805oxb	ppb	1458.72	0.8	41153380
Mo 202.032	-0.0273b	ppb	0.5266	1929.9	15.2148
Na 330.237	1369907xb	ppb	5017.33	0.4	57869.7
Ni 231.604	-18.4789b	ppb	1.0337	5.6	-48.6439
Pb 220.353	12.7949b	ppb	3.6300	28.4	92.3518
Sb 206.834	-0.4142b	ppb	1.9461	469.9	-1.1101
Se 196.026	105.866b	ppb	8.0636	7.6	102.593
Sn 189.925	-7.4699b	ppb	3.7699	50.5	-12.1947
Sr 216.596	0.2203b	ppb	0.3529	160.2	31.2277
Ti 334.941	0.4737b	ppb	0.0035	0.7	13.6051
Tl 190.794	385.958b	ppb	5.5184	1.4	92.8163
V 292.401	-14.8477b	ppb	0.1814	1.2	-381.820
Zn 206.200	62.2690b	ppb	1.0407	1951.6f	79.6231

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89383-c-4-b (Samp)		4/19/2013, 3:48:59 PM		Rack 1, Tube 36	
Label	Replicates	Concentration			
Ag 328.068	32.2323	32.3413	32.0948		
Al 308.215	123.140	118.281	120.067		
As 188.980	-1.4732u	-1.2186u	2.2146		
B 249.678	111.196	110.975	112.881		
Ba 389.178	1010.71	1007.90	1009.16		
Be 313.042	1.4303	1.4364	1.4227		
Ca 370.602	20019	19905	19853		
Cd 226.502	-0.2300u	-0.1303u	-0.1176u		
Co 228.615	1.0669	0.8833	0.3786		
Cr 267.716	0.1837	0.2769	0.1270		
Cu 324.754	0.0106	0.4350	0.1394		
Fe 271.441	1756.31	1733.57	1743.23		
K 766.491	5325.14	5327.05	5306.66		
Mg 279.078	4782.06	4783.64	4784.15		
Mn 257.610	793.711	745.503	704.955		
Mo 202.032	-0.1655u	-0.3485u	-1.0182u		
Na 330.237	53198.8	53152.7	53045.4		
Ni 231.604	-0.9213u	1.2087	1.5287		
Pb 220.353	0.4626	0.6940	-0.5838u		
Sb 206.834	-5.2580u	2.6996	-3.9534u		
Se 196.026	-1.3343u	-2.7839u	-3.0549u		
Sn 189.925	1.6788	-4.2741u	-4.5872u		
Sr 216.596	129.414	128.358	128.705		
Ti 334.941	3.1309	3.1777	3.1764		
Tl 190.794	3.7746	0.9036u	-1.4840u		
V 292.401	-0.3654u	-0.1826u	-0.1382u		
Zn 206.200	8.5794	6.2625	6.3971		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	32.2228	ppb	0.1235	0.4	2330.41
Al 308.215	120.496	ppb	2.4579	2.0	258.082
As 188.980	-0.1591	ppb	2.0596	1294.6	-10.0692
B 249.678	111.684	ppb	1.0422	0.9	1561.12
Ba 389.178	1009.26	ppb	1.4099	0.1	20276.9
Be 313.042	1.4298	ppb	0.0069	0.5	2253.95
Ca 370.602	19926	ppb	84.88	0.4	51817
Cd 226.502	-0.1593	ppb	0.0615	38.6	30.0795
Co 228.615	0.7763	ppb	0.3564	45.9	3.9147
Cr 267.716	0.1959	ppb	0.0757	38.6	-5.4783
Cu 324.754	0.1950	ppb	0.2176	111.6	224.896
Fe 271.441	1744.37	ppb	11.4105	0.7	2869.66
K 766.491	5319.62	ppb	11.2637	0.2	156065
Mg 279.078	4783.28	ppb	1.0867	0.0	9424.99
Mn 257.610	748.057	ppb	44.4328	5.9	167706
Mo 202.032	-0.5107	ppb	0.4489	87.9	11.8034
Na 330.237	53132.3	ppb	78.6732	0.1	2297.23
Ni 231.604	0.6054	ppb	1.3318	220.0	-1.0802
Pb 220.353	0.1909	ppb	0.6808	356.6	31.7632
Sb 206.834	-2.1706	ppb	4.2678	196.6	-3.1863
Se 196.026	-2.3910	ppb	0.9251	38.7	10.4393
Sn 189.925	-2.3942	ppb	3.5308	147.5	-8.9814
Sr 216.596	128.826	ppb	0.5383	0.4	1238.02
Ti 334.941	3.1617	ppb	0.0266	0.8	768.320
Tl 190.794	1.0648	ppb	2.6330	247.3	-12.8033
V 292.401	-0.2287	ppb	0.1204	52.7	-2.0439
Zn 206.200	7.0797	ppb	1.3095	196.84	325.7061

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)	4/19/2013, 3:54:34 PM	Rack 1, Tube 37				
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	486.953	484.194				
Al 308.215	4895.65	4903.00				
As 188.980	454.703	457.521				
B 249.678	478.956	483.988				
Ba 389.178	5074.49	5069.35				
Be 313.042	508.941	508.275				
Ca 370.602	4915	4900				
Cd 226.502	516.289	516.183				
Co 228.615	516.338	515.764				
Cr 267.716	5142.53	5148.31				
Cu 324.754	5028.02	5127.94				
Fe 271.441	4861.63	4859.40				
K 766.491	9845.34	9892.93				
Mg 279.078	4847.76	4865.91				
Mn 257.610	5144.37	5155.41				
Mo 202.032	499.290	499.699				
Na 330.237	7318.92	7362.43				
Ni 231.604	2613.82	2614.54				
Pb 220.353	492.101	501.420				
Sb 206.834	927.126	928.498				
Se 196.026	4937.81	4933.05				
Sn 189.925	4954.53	4979.71				
Sr 216.596	2533.13	2533.74				
Ti 334.941	491.668	492.766				
Tl 190.794	5019.30	5043.77				
V 292.401	4925.37	4938.76				
Zn 206.200	2536.34	2537.25				
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	482.211	ppb	5.9857	1.2	34973.7	96.44218
Al 308.215	4881.69	ppb	30.7674	0.6	10301.8	97.63374
As 188.980	453.889	ppb	4.1008	0.9	271.004	90.77772
B 249.678	482.290	ppb	2.8873	0.6	5864.34	19.29160Q
Ba 389.178	5069.78	ppb	4.5115	0.1	101748	101.39551
Be 313.042	507.930	ppb	1.2208	0.2	853197	101.58596
Ca 370.602	4901	ppb	14.02	0.3	12727	98.01452
Cd 226.502	515.964	ppb	0.4731	0.1	16979.7	103.19283
Co 228.615	516.050	ppb	0.2872	0.1	4862.71	103.21001
Cr 267.716	5129.90	ppb	27.0368	0.5	157012	102.59800
Cu 324.754	5048.03	ppb	72.0160	1.4	254695	100.96059
Fe 271.441	4859.59	ppb	1.9512	0.0	7921.29	97.19180
K 766.491	9860.31	ppb	28.2813	0.3	289068	98.60309
Mg 279.078	4852.54	ppb	11.7332	0.2	9494.22	97.05077
Mn 257.610	5148.32	ppb	6.1549	0.1	1152914	102.96644
Mo 202.032	498.742	ppb	1.3188	0.3	3409.87	99.74847
Na 330.237	7305.40	ppb	64.8526	0.9	343.891	97.40534
Ni 231.604	2611.06	ppb	5.4082	0.2	6500.15	104.44253
Pb 220.353	495.833	ppb	4.9284	1.0	856.609	99.16664
Sb 206.834	928.895	ppb	1.9968	0.2	944.426	92.88947
Se 196.026	4934.85	ppb	2.5877	0.1	2288.59	98.69696
Sn 189.925	4980.74	ppb	26.7442	0.5	3499.97	99.61485
Sr 216.596	2527.02	ppb	11.1266	0.4	23647.1	101.08063
Ti 334.941	491.270	ppb	1.7301	0.4	117783	98.25390
Tl 190.794	5028.69	ppb	13.1913	0.3	4536.66	100.57375
V 292.401	4926.77	ppb	11.3529	0.2	123716	98.53535
Zn 206.200	2535.03	ppb	3.0935	0.1	3204.77	101.40116

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/19/2013, 4:00:08 PM		Rack 1, Tube 38		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.2922u	0.2809	0.0388			
Al 308.215	-16.8493u	-15.4398u	-19.1400u			
As 188.980	3.2136	-3.5951u	0.4768			
B 249.678	2.0790	0.5842	-0.0121u			
Ba 389.178	-2.6609u	-1.4058u	-2.1771u			
Be 313.042	-0.0812u	-0.0553u	-0.0484u			
Ca 370.602	-24.36u	-28.56u	-28.66u			
Cd 226.502	-0.4134u	-0.1977u	0.0603			
Co 228.615	-0.9231u	0.0601	-0.7672u			
Cr 267.716	-0.1042u	0.0797	0.6128			
Cu 324.754	-0.8640u	-0.7756u	-0.0439u			
Fe 271.441	-12.0244u	-7.2940u	-9.4127u			
K 766.491	-1.2516u	-0.7375u	-1.0160u			
Mg 279.078	-25.9238u	-26.8908u	-21.2536u			
Mn 257.610	-0.0758u	0.2985	0.5637			
Mo 202.032	0.6958	0.6517	0.2036			
Na 330.237	-54.3956u	147.498	21.0316			
Ni 231.604	-2.0703u	-1.6628u	-0.8999u			
Pb 220.353	-0.5859u	1.1286	-0.5547u			
Sb 206.834	1.4366	4.4241	2.2686			
Se 196.026	-11.0200u	-5.4918u	1.4031			
Sn 189.925	-2.1536u	-3.1437u	-4.2925u			
Sr 216.596	-0.9347u	-0.7480u	-0.0909u			
Ti 334.941	-0.0647u	-0.1030u	-0.0316u			
Tl 190.794	3.9811	-0.0766u	-1.1129u			
V 292.401	-0.0333u	0.4684	0.5863			
Zn 206.200	-0.5711u	0.7254	-1.2626u			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0092	ppb	0.2877	3143.0	-7.8300	0.00915
Al 308.215	-17.1430	ppb	1.8675	10.9	-32.4542	-17.14303
As 188.980	0.0318	ppb	3.4261	10788.7	-10.1038	0.03176
B 249.678	0.8837	ppb	1.0773	121.9	275.508	0.88368
Ba 389.178	-2.0813	ppb	0.6330	30.4	-23.1281	-2.08129
Be 313.042	-0.0617	ppb	0.0173	28.0	-252.801	-0.06165
Ca 370.602	-27.19	ppb	2.454	9.0	2.887	-27.19090
Cd 226.502	-0.1836	ppb	0.2371	129.1	25.7067	-0.18363
Co 228.615	-0.5434	ppb	0.5284	97.2	-8.5644	-0.54338
Cr 267.716	0.1961	ppb	0.3724	189.9	-8.3572	0.19611
Cu 324.754	-0.5612	ppb	0.4501	80.2	186.270	-0.56117
Fe 271.441	-9.5770	ppb	2.3695	24.7	91.1782	-9.57702
K 766.491	-1.0017	ppb	0.2574	25.7	216.614	-1.00173
Mg 279.078	-24.6894	ppb	3.0145	12.2	36.5573	-24.68940
Mn 257.610	0.2622	ppb	0.3213	122.6	245.828	0.26216
Mo 202.032	0.5170	ppb	0.2723	52.7	18.8987	0.51703
Na 330.237	38.0446	ppb	102.016	268.1	56.9751	38.04464
Ni 231.604	-1.5443	ppb	0.5941	38.5	-6.4684	-1.54431
Pb 220.353	-0.0040	ppb	0.9810	24486.5	31.2798	-0.00401
Sb 206.834	2.7098	ppb	1.5419	56.9	1.4712	2.70977
Se 196.026	-5.0362	ppb	6.2241	123.6	9.0566	-5.03624
Sn 189.925	-3.1966	ppb	1.0704	33.5	-9.5682	-3.19661
Sr 216.596	-0.5912	ppb	0.4432	75.0	23.3837	-0.59119
Ti 334.941	-0.0665	ppb	0.0357	53.8	-21.2111	-0.06646
Tl 190.794	0.9305	ppb	2.6922	289.3	-11.8507	0.93054
V 292.401	0.3405	ppb	0.3290	96.6	12.3494	0.34048
Zn 206.200	-0.3694	ppb	1.0092	1973.8f	325	-0.2538

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

mb 680-273503/1-a (Samp)		4/19/2013, 4:05:42 PM		Rack 1, Tube 39		
Label	Replicates	Concentration		Dilution: 1		
Ag 328.068	0.0393	-0.4435u	-0.4061u			
Al 308.215	-16.2017u	-22.3249u	-16.8232u			
As 188.980	4.2084	-1.2301u	1.7263			
B 249.678	-6.6713u	-6.5752u	-6.4059u			
Ba 389.178	-2.0437u	-3.1974u	-1.8686u			
Be 313.042	-0.1073u	-0.1056u	-0.1016u			
Ca 370.602	-23.54u	-23.92u	-20.49u			
Cd 226.502	-0.1166u	-0.1359u	-0.2680u			
Co 228.615	-0.6869u	-0.3465u	-0.7366u			
Cr 267.716	-0.0987u	-0.1910u	-0.0828u			
Cu 324.754	-1.0169u	-0.9346u	-0.9729u			
Fe 271.441	-10.2261u	-13.9134u	-12.3478u			
K 766.491	-2.8743u	-3.6734u	-3.0669u			
Mg 279.078	-27.8081u	-26.4920u	-29.0768u			
Mn 257.610	-0.3734u	-0.1861u	-0.2050u			
Mo 202.032	0.0894	-0.2002u	0.0064			
Na 330.237	13.5533	-61.5388u	-174.629u			
Ni 231.604	-1.4658u	-0.7136u	-2.6510u			
Pb 220.353	-2.5022u	0.0181	-2.4865u			
Sb 206.834	-1.5348u	-1.9917u	2.3870			
Se 196.026	-7.1453u	-5.0341u	-4.7363u			
Sn 189.925	-2.5503u	-1.1653u	-3.9856u			
Sr 216.596	-1.4100u	-0.6259u	-0.6387u			
Ti 334.941	-0.2140u	-0.1685u	-0.1107u			
Tl 190.794	-1.2007u	7.1515	2.3490			
V 292.401	-0.2776u	-0.1970u	-0.4697u			
Zn 206.200	-1.3326u	0.2457	-0.6395u			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-0.2701	ppb	0.2686	99.4	-28.1193	
Al 308.215	-18.4499	ppb	3.3701	18.3	-35.2374	
As 188.980	1.5682	ppb	2.7227	173.6	-9.1515	
B 249.678	-6.5508	ppb	0.1344	2.1	189.114	
Ba 389.178	-2.3699	ppb	0.7220	30.5	-28.9296	
Be 313.042	-0.1048	ppb	0.0029	2.8	-325.250	
Ca 370.602	-22.65	ppb	1.880	8.3	14.84	
Cd 226.502	-0.1735	ppb	0.0824	47.5	26.0337	
Co 228.615	-0.5900	ppb	0.2123	36.0	-8.9914	
Cr 267.716	-0.1242	ppb	0.0584	47.0	-18.1624	
Cu 324.754	-0.9748	ppb	0.0412	4.2	165.404	
Fe 271.441	-12.1624	ppb	1.8507	15.2	87.0395	
K 766.491	-3.2048	ppb	0.4170	13.0	152.082	
Mg 279.078	-27.7923	ppb	1.2925	4.7	30.4987	
Mn 257.610	-0.2548	ppb	0.1031	40.5	130.051	
Mo 202.032	-0.0348	ppb	0.1491	428.4	15.1342	
Na 330.237	-74.2047	ppb	94.7283	127.7	52.2406	
Ni 231.604	-1.6102	ppb	0.9767	60.7	-6.6324	
Pb 220.353	-1.6568	ppb	1.4506	87.6	28.5292	
Sb 206.834	-0.3799	ppb	2.4070	633.7	-1.5147	
Se 196.026	-5.6386	ppb	1.3133	23.3	8.7786	
Sn 189.925	-2.5671	ppb	1.4102	54.9	-9.1249	
Sr 216.596	-0.8915	ppb	0.4490	50.4	20.5889	
Ti 334.941	-0.1644	ppb	0.0518	31.5	-44.7004	
Tl 190.794	2.7666	ppb	4.1917	151.5	-10.1873	
V 292.401	-0.3148	ppb	0.1401	44.5	-4.0256	
Zn 206.200	-0.5755	ppb	0.7911	1937.55	3.25	0.0066

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89257-a-2-a^10 (Samp)		4/19/2013, 4:11:16 PM		Rack 1, Tube 40	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	62.5588	61.9308	60.7151		
Al 308.215	135184	133979	131815		
As 188.980	1.3452	-3.3962u	2.6303		
B 249.678	158752x	157914x	156598x		
Ba 389.178	4.9270	4.1551	4.1223		
Be 313.042	1.4035	1.4117	1.3871		
Ca 370.602	2677	2642	2617		
Cd 226.502	0.6580	0.5245	0.8911		
Co 228.615	0.4159	-0.0130u	0.4480		
Cr 267.716	7.3329	7.3426	7.2142		
Cu 324.754	47.6221	47.2699	46.5494		
Fe 271.441	149.631	142.855	146.105		
K 766.491	187109x	185436x	182638x		
Mg 279.078	350.011	342.093	339.346		
Mn 257.610	4.0163	3.9787	4.0492		
Mo 202.032	0.3233	0.3773	0.8036		
Na 330.237	1404026x	1394939x	1388455x		
Ni 231.604	6.6447	7.6149	7.2258		
Pb 220.353	65.2603	60.3016	61.0180		
Sb 206.834	4.7796	0.0439	4.8038		
Se 196.026	3.9763	-0.9790u	4.8852		
Sn 189.925	0.6210	1.5157	1.3723		
Sr 216.596	17.4472	17.1367	16.3060		
Ti 334.941	0.7766	0.7516	0.6963		
Tl 190.794	1.7129	0.5441	-6.0651u		
V 292.401	-0.0666u	0.4222u	0.0937u		
Zn 206.200	5667.54	5616.40	5506.58		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	61.7349b	ppb	0.9373	1.5	4477.22
Al 308.215	133659b	ppb	1707.03	1.3	282187
As 188.980	0.1931b	ppb	3.1741	1643.8	-9.9830
B 249.678	157755xb	ppb	1085.92	0.7	1833575
Ba 389.178	4.4015b	ppb	0.4554	10.3	107.759
Be 313.042	1.4008b	ppb	0.0125	0.9	2075.00
Ca 370.602	2646b	ppb	30.23	1.1	6947
Cd 226.502	0.6912b	ppb	0.1855	26.8	48.4150
Co 228.615	0.2836b	ppb	0.2574	90.8	-0.6468
Cr 267.716	7.2966b	ppb	0.0715	1.0	224.418
Cu 324.754	47.1471b	ppb	0.5468	1.2	2591.71
Fe 271.441	146.197b	ppb	3.3890	2.3	338.042
K 766.491	185061xb	ppb	2259.02	1.2	5420924
Mg 279.078	343.817b	ppb	5.5372	1.6	722.907
Mn 257.610	4.0147b	ppb	0.0353	0.9	1081.64
Mo 202.032	0.5014b	ppb	0.2631	52.5	18.7857
Na 330.237	1395807xb	ppb	7821.61	0.6	58928.8
Ni 231.604	7.1618b	ppb	0.4883	6.8	15.2653
Pb 220.353	62.1933b	ppb	2.6801	4.3	132.573
Sb 206.834	3.2091b	ppb	2.7412	85.4	2.0384
Se 196.026	2.6275b	ppb	3.1562	120.1	12.5912
Sn 189.925	1.1697b	ppb	0.4806	41.1	-6.1042
Sr 216.596	16.9633b	ppb	0.5901	3.5	187.963
Ti 334.941	0.7415b	ppb	0.0411	5.5	92.9839
Tl 190.794	-1.2694b	ppb	4.1941	330.4	-13.8552
V 292.401	0.1498b	ppb	0.2492	166.4	-3.0583
Zn 206.200	5596.84b	ppb	82.2449	2001.5f	3102.63

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-10-b^10 (Samp)	4/19/2013, 4:16:50 PM	Rack 1, Tube 41			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	0.2810u	-0.6194u -0.8491u			
Al 308.215	5384.90	5397.94 5408.37			
As 188.980	4.7517	9.8553 8.0523			
B 249.678	1982.21	1851.39 1722.95			
Ba 389.178	2.0065	0.8950 1.0492			
Be 313.042	-0.0006	0.0058 0.0002			
Ca 370.602	284231	282069 280046			
Cd 226.502	0.1557	0.3450 0.2380			
Co 228.615	0.2946	0.1491 1.2836			
Cr 267.716	27.6451	27.4470 27.4593			
Cu 324.754	3.4401	4.0173 3.9013			
Fe 271.441	5395.70	5362.38 5314.75			
K 766.491	140.230	159.196 178.456			
Mg 279.078	76470.5	76140.8 75652.5			
Mn 257.610	68.8403	68.3372 68.3377			
Mo 202.032	2.5024	2.3956 1.9549			
Na 330.237	393.851	437.637 496.595			
Ni 231.604	4.7791	6.4632 5.6592			
Pb 220.353	0.8112	4.4481 4.6139			
Sb 206.834	0.4890	-0.5812u 2.2290			
Se 196.026	1.4428	-0.8311u -6.1179u			
Sn 189.925	-0.8245u	-4.5344u -2.3933u			
Sr 216.596	613.253	611.762 608.680			
Ti 334.941	56.1489	55.8493 55.6351			
Tl 190.794	-3.7758u	2.1185 -5.7758u			
V 292.401	14.2831	14.2150 14.8843			
Zn 206.200	26.4959	25.0691 28.7904			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3958	ppb	0.5973	150.9	-65.1575
Al 308.215	5397.07	ppb	11.7609	0.2	11398.1
As 188.980	7.5531	ppb	2.5882	34.3	-3.1056
B 249.678	1852.19	ppb	129.629	7.0	21783.7
Ba 389.178	1.3169	ppb	0.6021	45.7	219.734
Be 313.042	0.0018	ppb	0.0035	193.4	-61.7452
Ca 370.602	282115	ppb	2093	0.7	733734
Cd 226.502	0.2462	ppb	0.0949	38.6	52.1456
Co 228.615	0.5758	ppb	0.6173	107.2	3.0562
Cr 267.716	27.5171	ppb	0.1110	0.4	829.050
Cu 324.754	3.7862	ppb	0.3054	8.1	406.971
Fe 271.441	5357.61	ppb	40.6884	0.8	8593.48
K 766.491	159.294	ppb	19.1134	12.0	4911.89
Mg 279.078	76087.9	ppb	411.531	0.5	148830
Mn 257.610	68.5050	ppb	0.2903	0.4	15974.9
Mo 202.032	2.2843	ppb	0.2903	12.7	30.6803
Na 330.237	442.694	ppb	51.5587	11.6	72.2024
Ni 231.604	5.6338	ppb	0.8423	15.0	11.5157
Pb 220.353	3.2911	ppb	2.1492	65.3	36.6544
Sb 206.834	0.7123	ppb	1.4184	199.1	-0.1091
Se 196.026	-1.8354	ppb	3.8791	211.4	10.5197
Sn 189.925	-2.5841	ppb	1.8623	72.1	-9.0364
Sr 216.596	611.232	ppb	2.3320	0.4	5780.94
Ti 334.941	55.8778	ppb	0.2581	0.5	13686.6
Tl 190.794	-2.4777	ppb	4.1041	165.6	-15.2740
V 292.401	14.4608	ppb	0.3683	2.5	367.743
Zn 206.200	26.7851	ppb	1.8774	2017.0f	346429

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-11-b^10 (Samp) **4/19/2013, 4:22:25 PM** **Rack 1, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration			
Ag 328.068	-0.7852u	-1.0201u	-0.6482u		
Al 308.215	4301.22	4242.98	4191.64		
As 188.980	1.0619	7.2869	0.3475		
B 249.678	746.962	707.486	667.036		
Ba 389.178	8.8905	8.5320	8.3103		
Be 313.042	-0.0452	-0.0599	-0.0564		
Ca 370.602	409796	403502	399173		
Cd 226.502	-0.0147	-0.0530	-0.0197		
Co 228.615	0.3353	-0.0653	1.2496		
Cr 267.716	24.1873	23.9858	24.2396		
Cu 324.754	22.3259	21.7883	22.2009		
Fe 271.441	4415.05	4378.80	4281.72		
K 766.491	422.179	415.584	410.050		
Mg 279.078	3237.08	3194.07	3147.57		
Mn 257.610	63.7093	62.9436	61.8121		
Mo 202.032	1.3683	1.1609	1.5882		
Na 330.237	2274.19	1937.88	2070.14		
Ni 231.604	4.2070	3.0162	3.9214		
Pb 220.353	12.3388	11.5056	13.5666		
Sb 206.834	-4.2148u	-0.1832	0.6165		
Se 196.026	-3.0815u	-5.8819u	-15.0721u		
Sn 189.925	2.6612	0.4863	-1.0209u		
Sr 216.596	6894.27x	6822.05x	6721.37x		
Ti 334.941	40.2815	39.7652	39.1024		
Tl 190.794	1.0166	-4.5873u	-1.8453u		
V 292.401	9.6359	9.1160	8.9603		
Zn 206.200	105.151	102.564	100.528		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8179b	ppb	0.1881	23.0	-365.238
Al 308.215	4245.28b	ppb	54.8250	1.3	8966.38
As 188.980	2.8988b	ppb	3.8170	131.7	-4.9412
B 249.678	707.161b	ppb	39.9641	5.7	8478.26
Ba 389.178	8.5776b	ppb	0.2928	3.4	199.094
Be 313.042	-0.0538b	ppb	0.0077	14.3	-114.702
Ca 370.602	404157b	ppb	5342	1.3	1051323
Cd 226.502	-0.0291b	ppb	0.0208	71.5	40.1607
Co 228.615	0.5066b	ppb	0.6740	133.0	2.0965
Cr 267.716	24.1375b	ppb	0.1340	0.6	725.441
Cu 324.754	22.1050b	ppb	0.2813	1.3	1330.30
Fe 271.441	4358.52b	ppb	68.9391	1.6	7010.75
K 766.491	415.938b	ppb	6.0719	1.5	12429.3
Mg 279.078	3192.91b	ppb	44.7700	1.4	6325.45
Mn 257.610	62.8217b	ppb	0.9545	1.5	14287.6
Mo 202.032	1.3725b	ppb	0.2137	15.6	24.5143
Na 330.237	2094.07b	ppb	169.431	8.1	141.786
Ni 231.604	3.7149b	ppb	0.6217	16.7	6.7169
Pb 220.353	12.4703b	ppb	1.0368	8.3	51.9637
Sb 206.834	-1.2605b	ppb	2.5896	205.4	-2.0502
Se 196.026	-8.0119b	ppb	6.2727	78.3	7.6747
Sn 189.925	0.7089b	ppb	1.8511	261.1	-6.6736
Sr 216.596	6812.56xb	ppb	86.8411	1.3	63877.8
Ti 334.941	39.7163b	ppb	0.5911	1.5	9528.67
Tl 190.794	-1.8053b	ppb	2.8022	155.2	-14.6109
V 292.401	9.2374b	ppb	0.3538	3.8	235.561
Zn 206.200	102.748b	ppb	2.3470	2.34	324.041

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-12-b^10 (Samp)		4/19/2013, 4:27:59 PM		Rack 1, Tube 43		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.1868u	0.0286u	-0.3693u			
Al 308.215	5563.73	5457.48	5390.98			
As 188.980	14.4567	15.8487	9.5477			
B 249.678	369.979	353.896	339.693			
Ba 389.178	20.2888	20.2563	18.5790			
Be 313.042	0.0106	0.0132	0.0180			
Ca 370.602	292116	288877	284781			
Cd 226.502	0.3600	0.4055	0.0803			
Co 228.615	0.9154	1.2590	1.3054			
Cr 267.716	43.9989	43.5126	42.6251			
Cu 324.754	70.4895	69.0636	67.4416			
Fe 271.441	9342.45	9233.57	9093.09			
K 766.491	406.288	399.565	394.791			
Mg 279.078	42159.7	41599.0	41048.1			
Mn 257.610	120.584	119.380	117.637			
Mo 202.032	1.1178	0.8114	0.8587			
Na 330.237	1315.29	1266.83	1381.55			
Ni 231.604	8.7365	8.6938	8.8224			
Pb 220.353	133.779	128.307	129.919			
Sb 206.834	0.8481	2.4689	-0.4381			
Se 196.026	-5.5997u	-5.1657u	-5.8877u			
Sn 189.925	-0.9226u	3.1360	2.1284			
Sr 216.596	3014.57	2972.14	2936.39			
Ti 334.941	52.3230	51.3583	50.5692			
Tl 190.794	3.0326	-2.4191u	-2.2385u			
V 292.401	14.1164	14.1761	13.6135			
Zn 206.200	461.050	450.858	450.024			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-0.1758	ppb	0.1992	113.3	-151.505	
Al 308.215	5470.73	ppb	87.1345	1.6	11553.5	
As 188.980	13.2844	ppb	3.3100	24.9	0.4629	
B 249.678	354.523	ppb	15.1526	4.3	4374.52	
Ba 389.178	19.7080	ppb	0.9779	5.0	511.099	
Be 313.042	0.0139	ppb	0.0038	27.0	-38.1141	
Ca 370.602	288592	ppb	3676	1.3	750326	
Cd 226.502	0.2819	ppb	0.1761	62.5	61.2298	
Co 228.615	1.1599	ppb	0.2131	18.4	8.4205	
Cr 267.716	43.3789	ppb	0.6966	1.6	1315.36	
Cu 324.754	68.9982	ppb	1.5250	2.2	3696.00	
Fe 271.441	9223.03	ppb	125.011	1.4	14716.7	
K 766.491	400.215	ppb	5.7761	1.4	11968.8	
Mg 279.078	41602.3	ppb	555.761	1.3	81413.0	
Mn 257.610	119.200	ppb	1.4815	1.2	27140.1	
Mo 202.032	0.9293	ppb	0.1650	17.7	21.2516	
Na 330.237	1321.22	ppb	57.5914	4.4	105.745	
Ni 231.604	8.7509	ppb	0.0655	0.7	19.3553	
Pb 220.353	130.668	ppb	2.8116	2.2	248.707	
Sb 206.834	0.9596	ppb	1.4567	151.8	0.3884	
Se 196.026	-5.5510	ppb	0.3635	6.5	8.7963	
Sn 189.925	1.4473	ppb	2.1133	146.0	-6.1952	
Sr 216.596	2974.37	ppb	39.1373	1.3	27917.8	
Ti 334.941	51.4169	ppb	0.8784	1.7	12483.6	
Tl 190.794	-0.5417	ppb	3.0967	571.7	-13.7668	
V 292.401	13.9687	ppb	0.3090	2.2	354.228	
Zn 206.200	453.978	ppb	6.1391	2031.4	3256.675	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-13-b^10 (Samp) **4/19/2013, 4:39:51 PM** **Rack 1, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	0.7302u	0.8147u	0.9428u			
Al 308.215	3051.28	3002.00	2963.94			
As 188.980	5.3357	-1.5557	6.4579			
B 249.678	140.716	137.585	132.096			
Ba 389.178	9.6552	9.3951	9.7119			
Be 313.042	-0.0628	-0.0676u	-0.0609			
Ca 370.602	364152	361424	354630			
Cd 226.502	0.1009	0.3558	0.5903			
Co 228.615	0.8445	0.5948	0.7011			
Cr 267.716	23.0572	23.1926	22.2466			
Cu 324.754	35.0750	36.1648	35.1560			
Fe 271.441	6096.89	6051.95	5975.28			
K 766.491	757.019	751.324	739.342			
Mg 279.078	39089.5	38782.1	38210.9			
Mn 257.610	108.672	107.915	106.855			
Mo 202.032	1.1408	1.2217	0.8361			
Na 330.237	5108.95	5098.28	5132.27			
Ni 231.604	6.6230	7.1325	7.1510			
Pb 220.353	66.4044	60.5694	60.5674			
Sb 206.834	1.0949	-2.7055u	3.9541			
Se 196.026	-8.1348u	-9.6431u	-10.5214u			
Sn 189.925	5.2416	1.5702	0.6268			
Sr 216.596	3482.61	3443.11	3392.66			
Ti 334.941	35.7639	35.4450	34.6942			
Tl 190.794	-2.7252u	-0.8054u	-1.9733u			
V 292.401	10.7913	10.8546	10.3792			
Zn 206.200	116.303	117.842	115.061			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8292	ppb	0.1070	12.9	-100.175
Al 308.215	3005.74	ppb	43.7929	1.5	6349.45
As 188.980	3.4126	ppb	4.3391	127.1	-4.9931
B 249.678	136.799	ppb	4.3633	3.2	1847.97
Ba 389.178	9.5874	ppb	0.1690	1.8	300.934
Be 313.042	-0.0638	ppb	0.0035	5.4	-146.006
Ca 370.602	360068	ppb	4904	1.4	936502
Cd 226.502	0.3490	ppb	0.2448	70.1	56.5929
Co 228.615	0.7135	ppb	0.1253	17.6	3.9158
Cr 267.716	22.8322	ppb	0.5116	2.2	685.870
Cu 324.754	35.4652	ppb	0.6072	1.7	2004.39
Fe 271.441	6041.37	ppb	61.4881	1.0	9676.60
K 766.491	749.228	ppb	9.0226	1.2	22191.9
Mg 279.078	38694.2	ppb	445.846	1.2	75728.1
Mn 257.610	107.814	ppb	0.9125	0.8	24567.4
Mo 202.032	1.0662	ppb	0.2033	19.1	22.3411
Na 330.237	5113.17	ppb	17.3835	0.3	268.724
Ni 231.604	6.9689	ppb	0.2996	4.3	14.8537
Pb 220.353	62.5137	ppb	3.3695	5.4	135.301
Sb 206.834	0.7812	ppb	3.3408	427.7	-0.0496
Se 196.026	-9.4331	ppb	1.2071	12.8	7.0205
Sn 189.925	2.4796	ppb	2.4381	98.3	-5.4408
Sr 216.596	3439.46	ppb	45.0844	1.3	32279.7
Ti 334.941	35.3010	ppb	0.5492	1.6	8608.72
Tl 190.794	-1.8347	ppb	0.9674	52.7	-14.7765
V 292.401	10.6750	ppb	0.2581	2.4	272.166
Zn 206.200	116.402	ppb	1.3930	2041.6f	348.370

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-14-b^10 (Samp)		4/19/2013, 4:45:37 PM		Rack 1, Tube 45	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.5383u	-0.5280u	-0.2393u		
Al 308.215	5730.05	5733.87	5717.47		
As 188.980	9.0135	5.4509	4.3847		
B 249.678	85.3873	84.9462	82.7002		
Ba 389.178	16.1228	17.5994	16.8705		
Be 313.042	0.0318	0.0297	0.0231		
Ca 370.602	358419	357185	357054		
Cd 226.502	0.2544	0.5032	0.2621		
Co 228.615	1.6447	0.3841	1.3406		
Cr 267.716	35.6307	36.2062	35.8167		
Cu 324.754	30.6181	28.5078	30.4580		
Fe 271.441	6219.74	6214.55	6222.53		
K 766.491	516.182	517.241	513.731		
Mg 279.078	63656.7	63617.8	63553.4		
Mn 257.610	135.510	136.493	136.756		
Mo 202.032	0.3867	0.5823	1.4636		
Na 330.237	1260.75	1537.16	1216.89		
Ni 231.604	6.9814	6.6495	8.1702		
Pb 220.353	12.4702	14.5120	13.6275		
Sb 206.834	-2.8535u	-1.0936u	-3.0938u		
Se 196.026	7.0361	0.5364	-12.0645u		
Sn 189.925	2.4152	4.0748	7.8259		
Sr 216.596	3018.16	3014.56	3008.78		
Ti 334.941	76.3984	76.2859	75.9964		
Tl 190.794	-6.8979u	-2.9281u	-2.8465u		
V 292.401	18.6300	18.7528	18.9185		
Zn 206.200	66.4441	67.1253	66.9814		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4352	ppb	0.1697	39.0	-171.319
Al 308.215	5727.13	ppb	8.5827	0.1	12094.8
As 188.980	6.2830	ppb	2.4240	38.6	-3.2725
B 249.678	84.3446	ppb	1.4410	1.7	1238.22
Ba 389.178	16.8642	ppb	0.7383	4.4	503.097
Be 313.042	0.0282	ppb	0.0045	16.0	5.9787
Ca 370.602	357553	ppb	753.3	0.2	929954
Cd 226.502	0.3399	ppb	0.1415	41.6	56.9020
Co 228.615	1.1231	ppb	0.6578	58.6	8.6694
Cr 267.716	35.8845	ppb	0.2937	0.8	1085.53
Cu 324.754	29.8613	ppb	1.1749	3.9	1721.80
Fe 271.441	6218.94	ppb	4.0506	0.1	9958.01
K 766.491	515.718	ppb	1.8007	0.3	15352.0
Mg 279.078	63609.3	ppb	52.1320	0.1	124435
Mn 257.610	136.253	ppb	0.6564	0.5	31075.0
Mo 202.032	0.8109	ppb	0.5737	70.8	20.5775
Na 330.237	1338.27	ppb	173.633	13.0	109.418
Ni 231.604	7.2671	ppb	0.7996	11.0	15.6000
Pb 220.353	13.5366	ppb	1.0239	7.6	53.7112
Sb 206.834	-2.3470	ppb	1.0921	46.5	-2.9504
Se 196.026	-1.4973	ppb	9.7113	648.6	10.6865
Sn 189.925	4.7720	ppb	2.7719	58.1	-3.8299
Sr 216.596	3013.83	ppb	4.7353	0.2	28292.4
Ti 334.941	76.2269	ppb	0.2074	0.3	18515.8
Tl 190.794	-4.2242	ppb	2.3159	54.8	-16.9821
V 292.401	18.7671	ppb	0.1448	0.8	476.199
Zn 206.200	66.8502	ppb	0.3591	205.05f	85.4623

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-15-b^10 (Samp)		4/19/2013, 4:51:13 PM		Rack 1, Tube 46		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.4285u	-0.4996u	-0.5681u			
Al 308.215	3120.97	3091.37	3061.15			
As 188.980	52.4516	58.6768	53.4170			
B 249.678	71.2824	69.7863	67.9683			
Ba 389.178	13.3687	13.0592	11.2687			
Be 313.042	-0.0522	-0.0689u	-0.0727u			
Ca 370.602	292023	289603	286434			
Cd 226.502	0.1249	-0.0949	0.4864			
Co 228.615	-0.1141u	0.0785	0.6147			
Cr 267.716	52.3427	51.3135	50.9887			
Cu 324.754	58.5661	58.1610	57.7509			
Fe 271.441	4046.37	4038.36	3976.37			
K 766.491	988.385	978.094	965.298			
Mg 279.078	4724.09	4681.33	4634.50			
Mn 257.610	113.618	112.781	111.485			
Mo 202.032	-0.3753u	0.4233	0.6268			
Na 330.237	3599.87	3813.89	3612.39			
Ni 231.604	1.1959	1.1273	0.9820			
Pb 220.353	44.4447	45.5574	46.2172			
Sb 206.834	4.3124	0.5212	0.2244			
Se 196.026	-5.0855u	-17.6107u	-4.9995u			
Sn 189.925	-1.5488u	1.7887	-2.5905u			
Sr 216.596	4094.00	4060.88	4008.45			
Ti 334.941	38.7197	38.6252	37.8465			
Tl 190.794	1.9542	1.5366	-4.9586u			
V 292.401	5.1325	4.6965	4.9362			
Zn 206.200	107.297	106.485	108.892			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-0.4987	ppb	0.0698	14.0	-219.356	
Al 308.215	3091.16	ppb	29.9133	1.0	6529.79	
As 188.980	54.8485	ppb	3.3504	6.1	26.2663	
B 249.678	69.6790	ppb	1.6597	2.4	1070.33	
Ba 389.178	12.5655	ppb	1.1337	9.0	282.355	
Be 313.042	-0.0646	ppb	0.0109	16.9	-169.041	
Ca 370.602	289353	ppb	2803	1.0	752651	
Cd 226.502	0.1721	ppb	0.2935	170.5	46.0327	
Co 228.615	0.1930	ppb	0.3777	195.6	-0.7894	
Cr 267.716	51.5483	ppb	0.7069	1.4	1564.70	
Cu 324.754	58.1593	ppb	0.4076	0.7	3148.02	
Fe 271.441	4020.36	ppb	38.3135	1.0	6475.11	
K 766.491	977.259	ppb	11.5661	1.2	28871.2	
Mg 279.078	4679.97	ppb	44.8145	1.0	9232.10	
Mn 257.610	112.628	ppb	1.0751	1.0	25445.0	
Mo 202.032	0.2249	ppb	0.5297	235.5	16.7073	
Na 330.237	3675.38	ppb	120.113	3.3	208.590	
Ni 231.604	1.1017	ppb	0.1092	9.9	0.2018	
Pb 220.353	45.4064	ppb	0.8958	2.0	106.825	
Sb 206.834	1.6860	ppb	2.2794	135.2	1.0561	
Se 196.026	-9.2319	ppb	7.2564	78.6	7.1254	
Sn 189.925	-0.7835	ppb	2.2877	292.0	-7.7656	
Sr 216.596	4054.44	ppb	43.1367	1.1	38032.8	
Ti 334.941	38.3971	ppb	0.4792	1.2	9217.97	
Tl 190.794	-0.4893	ppb	3.8762	792.3	-13.4706	
V 292.401	4.9217	ppb	0.2184	4.4	125.509	
Zn 206.200	107.558	ppb	1.2241	1.061	325.079	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43151-g-1-a^10 (Samp) **4/19/2013, 4:57:00 PM** **Rack 1, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	-0.2822u	-0.3328u	-0.5343u			
Al 308.215	-17.7299u	-20.1023u	-17.7626u			
As 188.980	3.2627	5.2445	-5.3373u			
B 249.678	65.7488	65.1203	63.5275			
Ba 389.178	163.825	162.338	160.164			
Be 313.042	-0.1125u	-0.1160u	-0.1250u			
Ca 370.602	30741	30350	29847			
Cd 226.502	-0.0862	-0.1951u	0.0829			
Co 228.615	0.4445	-0.3014u	-0.1141u			
Cr 267.716	0.1675	0.0502	0.0173			
Cu 324.754	-1.0376u	-0.8144u	-1.2804u			
Fe 271.441	2670.47	2638.97	2604.19			
K 766.491	7892.53	7790.48	7679.05			
Mg 279.078	11661.7	11519.6	11329.0			
Mn 257.610	158.332	156.321	153.795			
Mo 202.032	1.5678	1.3211	1.3154			
Na 330.237	78833.7	77798.4	76254.5			
Ni 231.604	4.9758	3.7617	5.9893			
Pb 220.353	0.7362	2.1640	-3.0749u			
Sb 206.834	-0.3004u	-3.4127u	0.4666			
Se 196.026	6.7634	1.7107	-3.1911u			
Sn 189.925	-2.8480u	-1.3764u	-2.1755u			
Sr 216.596	382.578	376.356	369.521			
Ti 334.941	-0.2224u	-0.2583u	-0.2683u			
Tl 190.794	0.8147	-2.9723u	-1.2797u			
V 292.401	-0.7809u	-0.7462u	-0.4399u			
Zn 206.200	1.1565	0.7858	-0.4352u			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3831	ppb	0.1334	34.8	-52.1159
Al 308.215	-18.5316	ppb	1.3604	7.3	-35.3424
As 188.980	1.0566	ppb	5.6253	532.4	-9.2392
B 249.678	64.7989	ppb	1.1450	1.8	1015.23
Ba 389.178	162.109	ppb	1.8412	1.1	3297.57
Be 313.042	-0.1178	ppb	0.0064	5.5	-346.155
Ca 370.602	30313	ppb	448.4	1.5	78769
Cd 226.502	-0.0661	ppb	0.1401	211.8	34.9995
Co 228.615	0.0097	ppb	0.3880	4014.0	-3.4501
Cr 267.716	0.0784	ppb	0.0790	100.8	-10.3165
Cu 324.754	-1.0441	ppb	0.2331	22.3	162.741
Fe 271.441	2637.88	ppb	33.1534	1.3	4284.95
K 766.491	7787.35	ppb	106.776	1.4	228348
Mg 279.078	11503.4	ppb	166.913	1.5	22571.5
Mn 257.610	156.149	ppb	2.2737	1.5	35220.5
Mo 202.032	1.4014	ppb	0.1441	10.3	24.8107
Na 330.237	77628.9	ppb	1297.96	1.7	3330.91
Ni 231.604	4.9089	ppb	1.1153	22.7	9.6550
Pb 220.353	-0.0582	ppb	2.7083	4652.0	31.2222
Sb 206.834	-1.0822	ppb	2.0544	189.8	-2.1523
Se 196.026	1.7610	ppb	4.9775	282.7	12.2131
Sn 189.925	-2.1333	ppb	0.7367	34.5	-8.7873
Sr 216.596	376.151	ppb	6.5309	1.7	3555.74
Ti 334.941	-0.2497	ppb	0.0241	9.7	-24.8873
Tl 190.794	-1.1457	ppb	1.8971	165.6	-14.0621
V 292.401	-0.6557	ppb	0.1877	28.6	-13.2501
Zn 206.200	0.5024	ppb	0.8328	2065.85	3253607

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43151-g-2-a^10 (Samp) **4/19/2013, 5:02:36 PM** **Rack 1, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	-0.6314u	-0.3973u	-0.2278u			
Al 308.215	-11.6862u	-19.7405u	-17.1234u			
As 188.980	0.5152	-4.1789u	0.9715			
B 249.678	70.3766	69.1310	68.3281			
Ba 389.178	211.502	211.415	210.546			
Be 313.042	-0.1434u	-0.1334u	-0.1266u			
Ca 370.602	70001	70028	69920			
Cd 226.502	0.0645	-0.1285	-0.1708			
Co 228.615	-0.0701u	-1.1677u	-0.2214u			
Cr 267.716	-0.2707u	-0.0725	-0.0022			
Cu 324.754	-1.1158u	-1.1057u	-1.1869u			
Fe 271.441	10770.2	10797.6	10767.6			
K 766.491	2058.68	2054.82	2062.92			
Mg 279.078	21266.9	21295.9	21234.6			
Mn 257.610	577.133	577.873	576.000			
Mo 202.032	-0.2574u	-0.1827u	0.0842			
Na 330.237	39234.2	39339.4	39531.6			
Ni 231.604	-1.4355u	0.4002	-0.6632u			
Pb 220.353	4.0067	-1.1685u	0.6116			
Sb 206.834	2.1608	-3.1967u	-2.0465u			
Se 196.026	-9.8726u	-8.4641u	-5.7309u			
Sn 189.925	-2.5985u	-2.6816u	-3.1981u			
Sr 216.596	385.451	385.410	384.713			
Ti 334.941	-0.3939u	-0.3705u	-0.4071u			
Tl 190.794	-1.1759u	-3.1752u	-3.0840u			
V 292.401	-0.2960u	-1.2902u	-0.7462u			
Zn 206.200	-1.0776u	0.2239	1.0415			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4188	ppb	0.2027	48.4	-53.5369
Al 308.215	-16.1834	ppb	4.1086	25.4	-30.4685
As 188.980	-0.8974	ppb	2.8510	317.7	-10.1970
B 249.678	69.2786	ppb	1.0322	1.5	1057.85
Ba 389.178	211.155	ppb	0.5288	0.3	4305.69
Be 313.042	-0.1345	ppb	0.0084	6.3	-358.318
Ca 370.602	69983	ppb	56.56	0.1	181451
Cd 226.502	-0.0782	ppb	0.1254	160.3	52.2848
Co 228.615	-0.4864	ppb	0.5948	122.3	-8.3022
Cr 267.716	-0.1152	ppb	0.1392	120.9	-14.2553
Cu 324.754	-1.1361	ppb	0.0443	3.9	160.485
Fe 271.441	10778.5	ppb	16.6023	0.2	17180.2
K 766.491	2058.81	ppb	4.0538	0.2	60551.1
Mg 279.078	21265.8	ppb	30.6469	0.1	41651.4
Mn 257.610	577.002	ppb	0.9436	0.2	129525
Mo 202.032	-0.1186	ppb	0.1796	151.4	14.0545
Na 330.237	39368.4	ppb	150.813	0.4	1714.19
Ni 231.604	-0.5662	ppb	0.9217	162.8	-3.8203
Pb 220.353	1.1499	ppb	2.6293	228.7	33.3271
Sb 206.834	-1.0275	ppb	2.8204	274.5	-1.8995
Se 196.026	-8.0225	ppb	2.1058	26.2	7.7534
Sn 189.925	-2.8261	ppb	0.3249	11.5	-9.2718
Sr 216.596	385.191	ppb	0.4146	0.1	3646.95
Ti 334.941	-0.3905	ppb	0.0186	4.8	-17.4600
Tl 190.794	-2.4784	ppb	1.1289	45.6	-16.2061
V 292.401	-0.7775	ppb	0.4978	64.0	-15.6329
Zn 206.200	0.0626	ppb	1.0687	2706.85	325.8030

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)		4/19/2013, 5:08:12 PM		Rack 1, Tube 49		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	483.020	480.761	477.838			
Al 308.215	4939.90	4929.02	4878.28			
As 188.980	449.908	456.888	446.018			
B 249.678	499.355	505.183	502.532			
Ba 389.178	5081.39	5078.14	5045.43			
Be 313.042	506.623	508.479	505.700			
Ca 370.602	4974	4974	4932			
Cd 226.502	517.108	518.861	513.837			
Co 228.615	513.988	514.451	509.786			
Cr 267.716	5146.28	5146.83	5095.78			
Cu 324.754	5157.31	5128.43	4998.32			
Fe 271.441	4874.19	4897.47	4851.29			
K 766.491	9810.90	9838.60	9761.58			
Mg 279.078	4876.30	4891.63	4847.60			
Mn 257.610	5155.04	5178.18	5123.31			
Mo 202.032	502.722	501.100	497.692			
Na 330.237	7404.35	7317.22	7053.62			
Ni 231.604	2622.93	2621.77	2592.64			
Pb 220.353	495.356	498.924	493.630			
Sb 206.834	923.418	937.351	923.828			
Se 196.026	4949.53	4934.47	4920.54			
Sn 189.925	5006.76	5009.18	4923.16			
Sr 216.596	2533.35	2541.21	2518.33			
Ti 334.941	491.705	492.367	487.759			
Tl 190.794	5035.73	5027.05	5010.55			
V 292.401	4925.52	4930.18	4896.67			
Zn 206.200	2539.34	2546.00	2533.44			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	480.540	ppb	2.5980	0.5	34852.3	96.10796
Al 308.215	4915.73	ppb	32.8875	0.7	10373.8	98.31465
As 188.980	450.938	ppb	5.5077	1.2	269.175	90.18755
B 249.678	502.357	ppb	2.9179	0.6	6097.54	20.09428Q
Ba 389.178	5068.32	ppb	19.8883	0.4	101719	101.36641
Be 313.042	506.934	ppb	1.4156	0.3	851524	101.38683
Ca 370.602	4960	ppb	24.31	0.5	12879	99.19190
Cd 226.502	516.602	ppb	2.5500	0.5	17000.6	103.32042
Co 228.615	512.741	ppb	2.5703	0.5	4831.47	102.54828
Cr 267.716	5129.63	ppb	29.3143	0.6	157004	102.59264
Cu 324.754	5094.69	ppb	84.6997	1.7	257047	101.89374
Fe 271.441	4874.32	ppb	23.0925	0.5	7944.56	97.48635
K 766.491	9803.69	ppb	39.0106	0.4	287409	98.03694
Mg 279.078	4871.84	ppb	22.3483	0.5	9531.90	97.43684
Mn 257.610	5152.17	ppb	27.5495	0.5	1153777	103.04349
Mo 202.032	500.505	ppb	2.5674	0.5	3421.92	100.10097
Na 330.237	7258.39	ppb	182.616	2.5	341.892	96.77859
Ni 231.604	2612.45	ppb	17.1651	0.7	6503.60	104.49796
Pb 220.353	495.970	ppb	2.6999	0.5	856.838	99.19405
Sb 206.834	928.199	ppb	7.9282	0.9	943.677	92.81993
Se 196.026	4934.85	ppb	14.5012	0.3	2288.59	98.69693
Sn 189.925	4979.70	ppb	48.9781	1.0	3499.24	99.59402
Sr 216.596	2530.96	ppb	11.6217	0.5	23684.1	101.23853
Ti 334.941	490.610	ppb	2.4910	0.5	117625	98.12203
Tl 190.794	5024.44	ppb	12.7917	0.3	4532.81	100.48888
V 292.401	4917.46	ppb	18.1516	0.4	123482	98.34914
Zn 206.200	2539.60	ppb	6.2853	0.2	3210.58	101.58382

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/19/2013, 5:13:56 PM		Rack 1, Tube 50		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	0.2280	0.3952	0.0189			
Al 308.215	-11.3635u	-9.8301u	-10.4409u			
As 188.980	2.4971	-0.7905u	2.0714			
B 249.678	18.2015	17.6074	15.8727			
Ba 389.178	3.6351	3.9488	2.1376			
Be 313.042	0.3509	0.3651	0.3703			
Ca 370.602	5.186	5.099	2.425			
Cd 226.502	0.4247	0.5753	0.5329			
Co 228.615	-0.5723u	-0.3116u	-0.1183u			
Cr 267.716	4.3174	4.5400	4.9584			
Cu 324.754	3.5112	3.9998	3.5670			
Fe 271.441	-3.7844u	5.3182	-3.1233u			
K 766.491	11.3545	9.6614	9.3054			
Mg 279.078	-12.6973u	-16.7096u	-12.9907u			
Mn 257.610	9.2197	9.3851	9.2067			
Mo 202.032	1.2873	0.0417	1.4017			
Na 330.237	77.3406	129.147	128.060			
Ni 231.604	1.1656	-0.4502u	1.1333			
Pb 220.353	-1.6402u	1.7951	0.3114			
Sb 206.834	6.0488	2.2881	6.5035			
Se 196.026	2.7939	-1.4470u	-6.9423u			
Sn 189.925	0.6935	4.0144	2.0207			
Sr 216.596	2.1085	2.3467	0.9852			
Ti 334.941	0.3784	0.2907	0.3401			
Tl 190.794	7.0252	7.2222	6.6087			
V 292.401	4.4891	4.5813	4.3564			
Zn 206.200	1.3219	3.1082	3.2314			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2140	ppb	0.1885	88.1	7.0158	0.21402
Al 308.215	-10.5448	ppb	0.7720	7.3	-18.5411	-10.54484
As 188.980	1.2593	ppb	1.7879	142.0	-9.3430	1.25933
B 249.678	17.2272	ppb	1.2100	7.0	465.428	17.22718
Ba 389.178	3.2405	ppb	0.9680	29.9	83.6686	3.24048
Be 313.042	0.3621	ppb	0.0100	2.8	459.159	0.36210
Ca 370.602	4.237	ppb	1.569	37.0	84.26	4.23686
Cd 226.502	0.5110	ppb	0.0777	15.2	48.5307	0.51098
Co 228.615	-0.3341	ppb	0.2279	68.2	-6.5820	-0.33408
Cr 267.716	4.6053	ppb	0.3255	7.1	126.620	4.60527
Cu 324.754	3.6927	ppb	0.2674	7.2	400.710	3.69267
Fe 271.441	-0.5298	ppb	5.0753	957.9	105.611	-0.52983
K 766.491	10.1071	ppb	1.0949	10.8	542.006	10.10709
Mg 279.078	-14.1325	ppb	2.2366	15.8	57.0612	-14.13251
Mn 257.610	9.2705	ppb	0.0994	1.1	2262.85	9.27051Z
Mo 202.032	0.9102	ppb	0.7543	82.9	21.5741	0.91023
Na 330.237	111.516	ppb	29.6014	26.5	60.0528	111.51553
Ni 231.604	0.6162	ppb	0.9237	149.9	-1.0875	0.61623
Pb 220.353	0.1554	ppb	1.7230	1108.5	31.5464	0.15543
Sb 206.834	4.9468	ppb	2.3137	46.8	3.6769	4.94680
Se 196.026	-1.8651	ppb	4.8815	261.7	10.5211	-1.86515
Sn 189.925	2.2429	ppb	1.6716	74.5	-5.7379	2.24287
Sr 216.596	1.8134	ppb	0.7271	40.1	45.8813	1.81343
Ti 334.941	0.3364	ppb	0.0439	13.1	75.4044	0.33639
Tl 190.794	6.9520	ppb	0.3132	4.5	-6.4079	6.95201
V 292.401	4.4756	ppb	0.1131	2.5	116.226	4.47564
Zn 206.200	2.5539	ppb	1.0687	2141.8f	3259528	2.55386

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

mb 680-273780/1-a (Samp)		4/19/2013, 5:19:31 PM		Rack 1, Tube 51	
Weight: 1		Volume: 1		Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	-0.4688u	-0.0002	-0.6207u		
Al 308.215	-7.1980u	-15.2478u	-10.4855u		
As 188.980	-3.1748u	-0.6882u	3.7310		
B 249.678	8.6855	6.4410	6.4678		
Ba 389.178	-1.0002u	-2.0473u	-2.0427u		
Be 313.042	-0.1136u	-0.1078u	-0.1015u		
Ca 370.602	25.87	35.12	33.52		
Cd 226.502	-0.1711u	-0.2412u	-0.1714u		
Co 228.615	0.0049	-1.3015u	-0.1972u		
Cr 267.716	-0.1048u	-0.4164u	-0.0090u		
Cu 324.754	2.9995	4.1791	3.0085		
Fe 271.441	-6.0547u	-5.6597u	-10.9342u		
K 766.491	0.0189	-0.5104u	-0.4555u		
Mg 279.078	-27.2302u	-24.7269u	-27.2123u		
Mn 257.610	-0.0990u	-0.1045u	-0.0722u		
Mo 202.032	-0.9577u	0.3295	-0.3684u		
Na 330.237	-276.456u	198.413	50.8410		
Ni 231.604	-0.6709u	-1.9965u	-1.0447u		
Pb 220.353	-2.6735u	1.3264	-2.7287u		
Sb 206.834	-2.2310u	0.4668	-0.8058u		
Se 196.026	-4.6956u	-5.0001u	-6.7397u		
Sn 189.925	-2.5862u	-0.9229u	-2.7387u		
Sr 216.596	-0.2015u	-0.8594u	-0.6940u		
Ti 334.941	-0.1423u	-0.0819u	-0.1076u		
Tl 190.794	0.3299	-1.4412u	-0.3889u		
V 292.401	-0.6812u	-0.7088u	-0.0804u		
Zn 206.200	20.1667	20.7995	18.8761		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3633	ppb	0.3234	89.0	-34.8979
Al 308.215	-10.9771	ppb	4.0473	36.9	-19.4725
As 188.980	-0.0440	ppb	3.4977	7954.7	-10.1501
B 249.678	7.1981	ppb	1.2882	17.9	348.886
Ba 389.178	-1.6967	ppb	0.6032	35.6	-15.4212
Be 313.042	-0.1076	ppb	0.0060	5.6	-329.882
Ca 370.602	31.50	ppb	4.947	15.7	155.3
Cd 226.502	-0.1946	ppb	0.0404	20.7	25.3563
Co 228.615	-0.4979	ppb	0.7032	141.2	-8.1155
Cr 267.716	-0.1767	ppb	0.2130	120.5	-19.7683
Cu 324.754	3.3957	ppb	0.6785	20.0	385.756
Fe 271.441	-7.5496	ppb	2.9378	38.9	94.3463
K 766.491	-0.3157	ppb	0.2910	92.2	236.709
Mg 279.078	-26.3898	ppb	1.4401	5.5	33.2372
Mn 257.610	-0.0919	ppb	0.0173	18.8	166.559
Mo 202.032	-0.3322	ppb	0.6444	194.0	13.1047
Na 330.237	-9.0675	ppb	243.037	2680.3	54.8621
Ni 231.604	-1.2374	ppb	0.6835	55.2	-5.7039
Pb 220.353	-1.3586	ppb	2.3254	171.2	29.0260
Sb 206.834	-0.8566	ppb	1.3496	157.5	-1.9721
Se 196.026	-5.4785	ppb	1.1028	20.1	8.8525
Sn 189.925	-2.0826	ppb	1.0073	48.4	-8.7838
Sr 216.596	-0.5850	ppb	0.3423	58.5	23.4692
Ti 334.941	-0.1106	ppb	0.0303	27.4	-31.7869
Tl 190.794	-0.5001	ppb	0.8908	178.1	-13.1461
V 292.401	-0.4901	ppb	0.3551	72.4	-8.3940
Zn 206.200	19.9474	ppb	0.9803	2114.8f	325

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

llcs 680-273780/2-a (Samp)	4/19/2013, 5:25:05 PM		Rack 1, Tube 52
Weight: 1	Volume: 1		Dilution: 1
Label	Replicates	Concentration	
Ag 328.068	67.6374	66.4985	65.9146
Al 308.215	852.385	848.547	844.706
As 188.980	90.1518	81.5494	82.4398
B 249.678	161.439	159.657	160.468
Ba 389.178	81.4972	81.3073	79.8253
Be 313.042	85.0654	84.2737	84.4502
Ca 370.602	8193	8135	8145
Cd 226.502	87.2595	87.0880	87.1075
Co 228.615	86.2973	85.5307	86.3168
Cr 267.716	86.8573	86.7339	86.7993
Cu 324.754	85.3947	83.1417	83.1869
Fe 271.441	8608.60	8557.11	8550.41
K 766.491	8455.72	8369.73	8392.86
Mg 279.078	8232.43	8161.25	8185.54
Mn 257.610	887.434	878.666	880.524
Mo 202.032	82.6583	82.2626	83.5661
Na 330.237	7557.40	7587.07	7252.25
Ni 231.604	84.7972	86.8281	84.5486
Pb 220.353	86.9239	81.4861	82.3980
Sb 206.834	83.0386	76.4729	77.0696
Se 196.026	80.2489	74.5655	76.4103
Sn 189.925	86.3678	80.8490	82.3044
Sr 216.596	89.7123	88.8087	88.7080
Ti 334.941	81.5564	81.1017	81.3163
Tl 190.794	14.4019	19.2473	17.3032
V 292.401	83.4799	82.9868	82.9706
Zn 206.200	84.3069	82.7132	82.0658

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	66.6835	ppb	0.8762	1.3	4837.29
Al 308.215	848.546	ppb	3.8395	0.5	1798.61
As 188.980	84.7136	ppb	4.7306	5.6	42.3316
B 249.678	160.521	ppb	0.8920	0.6	2120.75
Ba 389.178	80.8766	ppb	0.9154	1.1	1662.36
Be 313.042	84.5964	ppb	0.4156	0.5	142002
Ca 370.602	8157	ppb	30.86	0.4	20759
Cd 226.502	87.1517	ppb	0.0939	0.1	2911.07
Co 228.615	86.0483	ppb	0.4483	0.5	806.170
Cr 267.716	86.7969	ppb	0.0617	0.1	2645.66
Cu 324.754	83.9078	ppb	1.2879	1.5	4449.07
Fe 271.441	8572.04	ppb	31.8348	0.4	13698.2
K 766.491	8406.10	ppb	44.5014	0.5	246472
Mg 279.078	8193.08	ppb	36.1819	0.4	16089.9
Mn 257.610	882.208	ppb	4.6199	0.5	197779
Mo 202.032	82.8290	ppb	0.6683	0.8	580.051
Na 330.237	7465.57	ppb	185.340	2.5	367.298
Ni 231.604	85.3913	ppb	1.2505	1.5	210.208
Pb 220.353	83.6027	ppb	2.9122	3.5	170.451
Sb 206.834	78.8604	ppb	3.6308	4.6	75.7497
Se 196.026	77.0749	ppb	2.8994	3.8	47.0843
Sn 189.925	83.1737	ppb	2.8602	3.4	51.2560
Sr 216.596	89.0763	ppb	0.5531	0.6	863.226
Ti 334.941	81.3248	ppb	0.2275	0.3	19522.5
Tl 190.794	16.9841	ppb	2.4384	14.4	1.1635
V 292.401	83.1458	ppb	0.2895	0.3	2079.56
Zn 206.200	83.0286	ppb	1.1534	1.4	105.864

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

lcs 680-273780/3-a (Samp)		4/19/2013, 5:30:39 PM		Rack 1, Tube 53	
Label	Replicates	Concentration			
Ag 328.068	10.1983	10.2881	10.0122		
Al 308.215	210.755	199.439	194.249		
As 188.980	24.9702	16.8865	17.2279		
B 249.678	105.036	102.090	100.528		
Ba 389.178	7.7808	8.2484	8.2054		
Be 313.042	4.4261	4.2429	4.1999		
Ca 370.602	536.3	504.0	500.4		
Cd 226.502	6.0127	5.7428	5.5478		
Co 228.615	11.6428	10.5104	10.8633		
Cr 267.716	11.3080	10.8434	10.5872		
Cu 324.754	20.8978	20.5193	20.3638		
Fe 271.441	21.3689	20.1294	23.6551		
K 766.491	1112.52	1069.62	1057.33		
Mg 279.078	536.097	510.725	502.000		
Mn 257.610	12.0617	11.6213	11.3614		
Mo 202.032	9.2711	8.7215	8.8315		
Na 330.237	1088.42	891.270	1117.84		
Ni 231.604	45.4412	42.9602	41.9534		
Pb 220.353	9.2582	10.4264	10.6995		
Sb 206.834	17.8850	15.5896	19.1022		
Se 196.026	12.7227	12.9690	13.6218		
Sn 189.925	28.7905	22.0935	24.3717		
Sr 216.596	10.7479	10.3409	10.1732		
Ti 334.941	10.1000	9.8311	9.6909		
Tl 190.794	30.0966	22.9801	27.8184		
V 292.401	10.7026	10.1860	10.1377		
Zn 206.200	19.8225	21.1313	20.0688		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.1662	ppb	0.1407	1.4	729.834
Al 308.215	201.481	ppb	8.4406	4.2	429.443
As 188.980	19.6949	ppb	4.5717	23.2	2.0831
B 249.678	102.552	ppb	2.2890	2.2	1456.98
Ba 389.178	8.0782	ppb	0.2584	3.2	181.978
Be 313.042	4.2896	ppb	0.1201	2.8	7058.07
Ca 370.602	513.6	ppb	19.76	3.8	1409
Cd 226.502	5.7678	ppb	0.2335	4.0	221.144
Co 228.615	11.0055	ppb	0.5794	5.3	100.168
Cr 267.716	10.9129	ppb	0.3654	3.3	319.683
Cu 324.754	20.5936	ppb	0.2747	1.3	1253.00
Fe 271.441	21.7178	ppb	1.7885	8.2	142.446
K 766.491	1079.82	ppb	28.9734	2.7	31875.4
Mg 279.078	516.274	ppb	17.7130	3.4	1093.89
Mn 257.610	11.6815	ppb	0.3540	3.0	2805.72
Mo 202.032	8.9414	ppb	0.2908	3.3	76.3680
Na 330.237	1032.51	ppb	123.197	11.9	98.7465
Ni 231.604	43.4516	ppb	1.7951	4.1	105.591
Pb 220.353	10.1280	ppb	0.7656	7.6	48.1248
Sb 206.834	17.5256	ppb	1.7837	10.2	15.8380
Se 196.026	13.1045	ppb	0.4646	3.5	17.4259
Sn 189.925	25.0853	ppb	3.4050	13.6	10.3475
Sr 216.596	10.4207	ppb	0.2956	2.8	125.673
Ti 334.941	9.8740	ppb	0.2079	2.1	2363.80
Tl 190.794	26.9650	ppb	3.6342	13.5	11.7168
V 292.401	10.3421	ppb	0.3131	3.0	262.303
Zn 206.200	20.3409	ppb	0.6955	3.4	26.5069

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

560-39347-a-1-e (Samp)		4/19/2013, 5:38:44 PM		Rack 1, Tube 54		
Label	Replicates	Concentration		Dilution: 1		
Ag 328.068	-0.2257u	-0.4079u	-0.5432u			
Al 308.215	27.5618	26.4931	28.5783			
As 188.980	1.7371	0.8626	-2.5316u			
B 249.678	354.026	356.256	358.677			
Ba 389.178	159.175	157.473	158.411			
Be 313.042	-0.1235u	-0.1304u	-0.1175u			
Ca 370.602	66391	66374	66217			
Cd 226.502	-0.2448u	-0.4486u	-0.2917u			
Co 228.615	-0.9514u	-0.6802u	-0.5445u			
Cr 267.716	-0.3724u	-0.2291u	-0.0349			
Cu 324.754	295.476	296.137	297.044			
Fe 271.441	-1.9628u	-3.7595u	-1.3508u			
K 766.491	13695.3	13756.1	13724.2			
Mg 279.078	13461.8	13480.0	13482.4			
Mn 257.610	-0.0994	-0.1077	-0.0215			
Mo 202.032	1.8974	1.8212	2.0840			
Na 330.237	155700x	154825x	155758x			
Ni 231.604	0.4047	-0.0624u	0.2689			
Pb 220.353	1.9308	1.5252	0.7422			
Sb 206.834	0.3453	-5.3299u	-2.4270u			
Se 196.026	2.4719	4.6985	6.0721			
Sn 189.925	-6.6413u	1.9959	0.3338			
Sr 216.596	556.660	555.884	554.103			
Ti 334.941	-0.3514u	-0.2456u	-0.3248u			
Tl 190.794	-0.1236u	-5.7128u	1.5940			
V 292.401	6.7213	6.3743	6.5729			
Zn 206.200	43.8164	42.4516	44.9751			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-0.3923b	ppb	0.1593	40.6	-61.3511	
Al 308.215	27.5444b	ppb	1.0427	3.8	61.9144	
As 188.980	0.0227b	ppb	2.2549	9945.4	-9.5487	
B 249.678	356.320b	ppb	2.3259	0.7	4406.14	
Ba 389.178	158.353b	ppb	0.8527	0.5	3226.13	
Be 313.042	-0.1238b	ppb	0.0065	5.2	-352.969	
Ca 370.602	66327b	ppb	96.05	0.1	172644	
Cd 226.502	-0.3283b	ppb	0.1067	32.5	20.4169	
Co 228.615	-0.7253b	ppb	0.2072	28.6	-10.3098	
Cr 267.716	-0.2121b	ppb	0.1694	79.8	-19.2640	
Cu 324.754	296.219b	ppb	0.7874	0.3	15149.5	
Fe 271.441	-2.3577b	ppb	1.2520	53.1	102.586	
K 766.491	13725.2b	ppb	30.4173	0.2	402275	
Mg 279.078	13474.7b	ppb	11.2194	0.1	26427.1	
Mn 257.610	-0.0762b	ppb	0.0475	62.4	246.751	
Mo 202.032	1.9342b	ppb	0.1352	7.0	28.5581	
Na 330.237	155428xb	ppb	522.657	0.3	6614.68	
Ni 231.604	0.2038b	ppb	0.2403	117.9	-2.1147	
Pb 220.353	1.3994b	ppb	0.6042	43.2	33.6136	
Sb 206.834	-2.4705b	ppb	2.8379	114.9	-3.5629	
Se 196.026	4.4141b	ppb	1.8169	41.2	13.4152	
Sn 189.925	-1.4372b	ppb	4.5829	318.9	-8.2626	
Sr 216.596	555.549b	ppb	1.3109	0.2	5238.41	
Ti 334.941	-0.3073b	ppb	0.0550	17.9	-36.0150	
Tl 190.794	-1.4141b	ppb	3.8205	270.2	-13.9724	
V 292.401	6.5562b	ppb	0.1741	2.7	167.787	
Zn 206.200	43.7477b	ppb	1.2631	214.29f	325.2359	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

560-39347-a-2-c (Samp)		4/19/2013, 5:44:19 PM		Rack 1, Tube 55	
Label	Replicates	Concentration			
Ag 328.068	-0.2715u	-0.3616u	-0.5005u		
Al 308.215	28.0564	23.0370	25.4135		
As 188.980	3.3851	3.3251	0.1257		
B 249.678	353.251	353.841	356.404		
Ba 389.178	156.996	157.482	157.998		
Be 313.042	-0.1273u	-0.1292u	-0.1252u		
Ca 370.602	66777	66614	66648		
Cd 226.502	-0.2990u	-0.4137u	-0.1317u		
Co 228.615	0.3403	-1.0439u	-0.9097u		
Cr 267.716	-0.2119u	-0.2046u	-0.1821u		
Cu 324.754	215.356	216.396	214.931		
Fe 271.441	1.3985	0.1986	0.1161		
K 766.491	13709.0	13708.6	13771.8		
Mg 279.078	13283.9	13267.1	13302.1		
Mn 257.610	-0.1911	-0.1529	-0.1536		
Mo 202.032	1.6407	1.7988	1.7007		
Na 330.237	154905x	155691x	155012x		
Ni 231.604	0.7088	0.9396	0.9537		
Pb 220.353	1.0796	2.3537	0.5992		
Sb 206.834	3.4046	4.1637	-2.7555u		
Se 196.026	-0.6895u	10.8126	1.9283		
Sn 189.925	2.6083	-0.0858	-0.5999u		
Sr 216.596	559.674	556.094	555.895		
Ti 334.941	-0.2870u	-0.3371u	-0.3145u		
Tl 190.794	-3.9323u	-0.4418u	-5.0414u		
V 292.401	6.1508	6.2770	6.6567		
Zn 206.200	70.7084	72.6992	72.0895		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3779b	ppb	0.1154	30.5	-60.2884
Al 308.215	25.5023b	ppb	2.5109	9.8	57.5978
As 188.980	2.2786b	ppb	1.8647	81.8	-8.1496
B 249.678	354.499b	ppb	1.6763	0.5	4384.97
Ba 389.178	157.492b	ppb	0.5009	0.3	3208.37
Be 313.042	-0.1272b	ppb	0.0020	1.6	-358.700
Ca 370.602	66680b	ppb	85.48	0.1	173560
Cd 226.502	-0.2815b	ppb	0.1418	50.4	21.9603
Co 228.615	-0.5378b	ppb	0.7634	142.0	-8.5399
Cr 267.716	-0.1995b	ppb	0.0155	7.8	-18.8795
Cu 324.754	215.561b	ppb	0.7538	0.3	11082.8
Fe 271.441	0.5711b	ppb	0.7177	125.7	107.264
K 766.491	13729.8b	ppb	36.3686	0.3	402411
Mg 279.078	13284.4b	ppb	17.5150	0.1	26055.0
Mn 257.610	-0.1659b	ppb	0.0219	13.2	225.466
Mo 202.032	1.7134b	ppb	0.0798	4.7	27.0517
Na 330.237	155203xb	ppb	426.268	0.3	6605.01
Ni 231.604	0.8674b	ppb	0.1375	15.9	-0.4620
Pb 220.353	1.3442b	ppb	0.9067	67.5	33.5218
Sb 206.834	1.6043b	ppb	3.7947	236.5	0.3805
Se 196.026	4.0171b	ppb	6.0288	150.1	13.2320
Sn 189.925	0.6409b	ppb	1.7231	268.9	-6.7993
Sr 216.596	557.221b	ppb	2.1268	0.4	5254.07
Ti 334.941	-0.3128b	ppb	0.0251	8.0	-38.1792
Tl 190.794	-3.1385b	ppb	2.4003	76.5	-15.5339
V 292.401	6.3615b	ppb	0.2633	4.1	162.909
Zn 206.200	71.8324b	ppb	1.0200	215.4f	945.8731

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

560-39347-a-3-e (Samp)		4/19/2013, 5:49:54 PM		Rack 1, Tube 56	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.2790u	-0.2732u	-0.6151u		
Al 308.215	366.508	368.237	376.483		
As 188.980	1.8745	-1.9738u	4.3816		
B 249.678	353.651	355.922	357.497		
Ba 389.178	157.216	157.128	157.386		
Be 313.042	-0.1224u	-0.1246u	-0.1312u		
Ca 370.602	66120	66057	66135		
Cd 226.502	-0.2533u	-0.0359u	-0.0710u		
Co 228.615	-0.4854u	-1.0422u	-0.5743u		
Cr 267.716	-0.2779u	-0.6126u	-0.2244u		
Cu 324.754	238.900	238.916	239.084		
Fe 271.441	-0.4322u	-0.4617u	0.0952		
K 766.491	13729.2	13732.8	13780.0		
Mg 279.078	13437.4	13427.1	13419.4		
Mn 257.610	1.3840	1.4128	1.4194		
Mo 202.032	1.8066	2.0017	1.4560		
Na 330.237	155613x	154488x	154604x		
Ni 231.604	2.7030	1.2344	3.4170		
Pb 220.353	2.5601	-2.3049u	-1.0757u		
Sb 206.834	4.3177	-4.1589u	-0.0818u		
Se 196.026	5.0109	0.4507	0.5181		
Sn 189.925	1.5362	-1.0467u	1.9465		
Sr 216.596	558.220	554.556	555.045		
Ti 334.941	-0.3068u	-0.2771u	-0.2793u		
Tl 190.794	-1.9127u	-1.7385u	-3.3744u		
V 292.401	6.0987	6.0504	6.5001		
Zn 206.200	135.948	135.905	134.144		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3891b	ppb	0.1957	50.3	-61.0779
Al 308.215	370.409b	ppb	5.3305	1.4	785.767
As 188.980	1.4274b	ppb	3.2012	224.3	-8.6802
B 249.678	355.690b	ppb	1.9339	0.5	4398.82
Ba 389.178	157.243b	ppb	0.1311	0.1	3203.72
Be 313.042	-0.1261b	ppb	0.0046	3.6	-356.737
Ca 370.602	66104b	ppb	41.22	0.1	172062
Cd 226.502	-0.1201b	ppb	0.1167	97.2	27.2594
Co 228.615	-0.7006b	ppb	0.2991	42.7	-10.0708
Cr 267.716	-0.3716b	ppb	0.2104	56.6	-24.1472
Cu 324.754	238.967b	ppb	0.1020	0.0	12262.9
Fe 271.441	-0.2662b	ppb	0.3133	117.7	105.915
K 766.491	13747.4b	ppb	28.3276	0.2	402924
Mg 279.078	13428.0b	ppb	9.0526	0.1	26335.5
Mn 257.610	1.4054b	ppb	0.0188	1.3	578.117
Mo 202.032	1.7547b	ppb	0.2765	15.8	27.3342
Na 330.237	154902xb	ppb	618.872	0.4	6591.91
Ni 231.604	2.4515b	ppb	1.1128	45.4	3.4832
Pb 220.353	-0.2735b	ppb	2.5297	924.9	30.8236
Sb 206.834	0.0257b	ppb	4.2393	16525.4	-1.1451
Se 196.026	1.9932b	ppb	2.6136	131.1	12.2990
Sn 189.925	0.8120b	ppb	1.6227	199.8	-6.6791
Sr 216.596	555.940b	ppb	1.9895	0.4	5242.03
Ti 334.941	-0.2878b	ppb	0.0166	5.8	-31.5398
Tl 190.794	-2.3418b	ppb	0.8984	38.4	-14.8146
V 292.401	6.2164b	ppb	0.2468	4.0	159.273
Zn 206.200	135.332b	ppb	1.0292	216.0.8f	325.449

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

560-39347-a-3-eSD^5 (Samp)		4/19/2013, 5:55:30 PM		Rack 1, Tube 57	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.4581u	-0.3212u	-0.5400u		
Al 308.215	55.9076	49.9945	53.3830		
As 188.980	-0.4903u	-1.0506u	-1.2927u		
B 249.678	71.5479	71.8630	70.4039		
Ba 389.178	26.9920	28.2633	27.2813		
Be 313.042	-0.1070u	-0.1131u	-0.1200u		
Ca 370.602	12401	12394	12395		
Cd 226.502	-0.2652u	0.0045	0.0362		
Co 228.615	-0.2511u	-0.8171u	-0.2101u		
Cr 267.716	0.0123	-0.3008u	-0.5639u		
Cu 324.754	45.0214	44.4718	44.3385		
Fe 271.441	-4.8401u	-7.7851u	-6.7148u		
K 766.491	2174.47	2184.07	2190.19		
Mg 279.078	2540.90	2529.95	2539.30		
Mn 257.610	-0.2143u	-0.2342u	-0.1924u		
Mo 202.032	0.3792	0.9121	0.1695		
Na 330.237	27780.5	27479.4	27215.9		
Ni 231.604	-0.9404u	-0.7745u	0.5573		
Pb 220.353	-0.6835u	-0.0453u	-1.0074u		
Sb 206.834	-3.7367u	-2.8925u	-4.6999u		
Se 196.026	-4.4712u	6.7908	-8.9610u		
Sn 189.925	-0.6476u	-5.3147u	1.1084		
Sr 216.596	104.453	104.936	105.020		
Ti 334.941	-0.2214u	-0.1892u	-0.1919u		
Tl 190.794	-1.5952u	2.7509	-5.5263u		
V 292.401	0.5360	0.5557	0.5506		
Zn 206.200	26.1700	26.0942	25.0439		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4398	ppb	0.1106	25.1	-45.0828
Al 308.215	53.0950	ppb	2.9670	5.6	115.837
As 188.980	-0.9445	ppb	0.4116	43.6	-10.6032
B 249.678	71.2716	ppb	0.7678	1.1	1093.50
Ba 389.178	27.5122	ppb	0.6664	2.4	576.389
Be 313.042	-0.1134	ppb	0.0065	5.7	-338.634
Ca 370.602	12397	ppb	3.624	0.0	32327
Cd 226.502	-0.0748	ppb	0.1656	221.3	29.1918
Co 228.615	-0.4261	ppb	0.3392	79.6	-7.4654
Cr 267.716	-0.2841	ppb	0.2884	101.5	-22.7755
Cu 324.754	44.6106	ppb	0.3620	0.8	2463.77
Fe 271.441	-6.4467	ppb	1.4907	23.1	96.1195
K 766.491	2182.91	ppb	7.9245	0.4	64186.4
Mg 279.078	2536.72	ppb	5.9099	0.2	5043.93
Mn 257.610	-0.2136	ppb	0.0209	9.8	153.878
Mo 202.032	0.4869	ppb	0.3828	78.6	18.6925
Na 330.237	27491.9	ppb	282.536	1.0	1215.46
Ni 231.604	-0.3859	ppb	0.8210	212.8	-3.5833
Pb 220.353	-0.5787	ppb	0.4895	84.6	30.3218
Sb 206.834	-3.7764	ppb	0.9043	23.9	-4.8102
Se 196.026	-2.2138	ppb	8.1149	366.6	10.3582
Sn 189.925	-1.6180	ppb	3.3197	205.2	-8.4446
Sr 216.596	104.803	ppb	0.3058	0.3	1011.67
Ti 334.941	-0.2008	ppb	0.0179	8.9	-45.1374
Tl 190.794	-1.4569	ppb	4.1403	284.2	-14.0125
V 292.401	0.5474	ppb	0.0102	1.9	17.4102
Zn 206.200	25.7694	ppb	0.6294	2172.4f	3254229

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

560-39347-a-3-ePDS (Samp)		4/19/2013, 6:01:06 PM		Rack 1, Tube 58	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	52.7481	52.3767	49.2552		
Al 308.215	2797.50	2757.88	2641.79		
As 188.980	2501.76	2476.88	2341.61		
B 249.678	1483.83	1472.27	1399.41		
Ba 389.178	2557.43	2509.90	2402.39		
Be 313.042	59.6092	58.6352	56.0349		
Ca 370.602	69350	68105	65114		
Cd 226.502	61.4109	60.3175	57.7140		
Co 228.615	612.814	611.773	578.084		
Cr 267.716	242.613	237.996	228.586		
Cu 324.754	527.459	517.444	497.510		
Fe 271.441	1139.59	1110.34	1060.09		
K 766.491	19748.7	19502.6	18369.0		
Mg 279.078	18740.2	18407.7	17621.7		
Mn 257.610	618.262	607.820	579.825		
Mo 202.032	586.945	583.542	558.316		
Na 330.237	156410x	154517x	145909x		
Ni 231.604	607.495	595.703	567.777		
Pb 220.353	585.083	574.497	546.559		
Sb 206.834	579.906	569.915	549.240		
Se 196.026	2432.77	2402.54	2302.58		
Sn 189.925	1133.10	1122.00	1079.55		
Sr 216.596	1135.17	1115.52	1068.87		
Ti 334.941	1149.16	1132.90	1082.86		
Tl 190.794	2354.45	2336.92	2219.24		
V 292.401	586.843	576.294	550.093		
Zn 206.200	731.666	722.813	690.470		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.4600b	ppb	1.9185	3.7	3688.66
Al 308.215	2732.39b	ppb	80.9238	3.0	5796.42
As 188.980	2440.08b	ppb	86.1819	3.5	1502.36
B 249.678	1451.84b	ppb	45.7693	3.2	17136.1
Ba 389.178	2489.91b	ppb	79.4278	3.2	50014.5
Be 313.042	58.0931b	ppb	1.8478	3.2	97382.2
Ca 370.602	67523b	ppb	2177	3.2	175865
Cd 226.502	59.8141b	ppb	1.8992	3.2	1997.23
Co 228.615	600.890b	ppb	19.7576	3.3	5662.14
Cr 267.716	236.398b	ppb	7.1485	3.0	7223.55
Cu 324.754	514.138b	ppb	15.2458	3.0	26147.1
Fe 271.441	1103.34b	ppb	40.2106	3.6	1945.35
K 766.491	19206.8b	ppb	735.853	3.8	562838
Mg 279.078	18256.6b	ppb	574.396	3.1	35765.8
Mn 257.610	601.969b	ppb	19.8749	3.3	135072
Mo 202.032	576.268b	ppb	15.6394	2.7	3946.81
Na 330.237	152279xb	ppb	5596.63	3.7	6470.26
Ni 231.604	590.325b	ppb	20.3978	3.5	1467.56
Pb 220.353	568.713b	ppb	19.9024	3.5	976.515
Sb 206.834	566.353b	ppb	15.6402	2.8	542.199
Se 196.026	2379.30b	ppb	68.1388	2.9	1108.89
Sn 189.925	1111.55b	ppb	28.2640	2.5	775.466
Sr 216.596	1106.52b	ppb	34.0524	3.1	10373.1
Ti 334.941	1121.64b	ppb	34.5515	3.1	268940
Tl 190.794	2303.54b	ppb	73.5298	3.2	2072.93
V 292.401	571.077b	ppb	18.9225	3.3	14286.2
Zn 206.200	714.983b	ppb	21.6856	3.0	907.396

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

560-39347-a-3-f ms (Samp)	4/19/2013, 6:06:42 PM		Rack 1, Tube 59		
Weight: 1	Volume: 1			Dilution: 1	
Label Replicates Concentration					
Ag 328.068	3.7969	3.9378	3.8551		
Al 308.215	2544.84	2542.61	2539.39		
As 188.980	49.8300	46.6320	42.1301		
B 249.678	445.708	446.816	448.651		
Ba 389.178	197.927	198.238	198.206		
Be 313.042	21.2804	21.2707	21.2932		
Ca 370.602	67337	67209	67250		
Cd 226.502	21.8901	21.5005	21.4522		
Co 228.615	19.9761	21.1657	20.7299		
Cr 267.716	42.5407	42.4305	42.3860		
Cu 324.754	277.554	277.554	277.342		
Fe 271.441	2000.44	2003.07	2001.47		
K 766.491	16059.8	16110.3	16117.5		
Mg 279.078	15321.6	15288.9	15313.7		
Mn 257.610	219.403	218.760	219.608		
Mo 202.032	42.9003	43.4245	43.5710		
Na 330.237	155214x	155775x	156098x		
Ni 231.604	43.6533	45.6100	45.1303		
Pb 220.353	19.7692	18.6576	17.1097		
Sb 206.834	16.9490	20.0065	15.8949		
Se 196.026	55.5492	48.0384	40.9191		
Sn 189.925	70.8460	71.4988	69.6753		
Sr 216.596	593.618	591.014	589.946		
Ti 334.941	40.0326	40.1027	40.1573		
Tl 190.794	20.3117	16.1982	17.0731		
V 292.401	48.0212	47.4860	47.6667		
Zn 206.200	174.591	175.572	177.083		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.8633b	ppb	0.0708	1.8	247.455
Al 308.215	2542.28b	ppb	2.7412	0.1	5372.76
As 188.980	46.1974b	ppb	3.8683	8.4	19.0410
B 249.678	447.058b	ppb	1.4862	0.3	5458.31
Ba 389.178	198.124b	ppb	0.1710	0.1	4028.85
Be 313.042	21.2814b	ppb	0.0113	0.1	35611.6
Ca 370.602	67266b	ppb	65.53	0.1	174963
Cd 226.502	21.6142b	ppb	0.2401	1.1	745.028
Co 228.615	20.6239b	ppb	0.6019	2.9	190.455
Cr 267.716	42.4524b	ppb	0.0796	0.2	1287.43
Cu 324.754	277.484b	ppb	0.1227	0.0	14206.2
Fe 271.441	2001.66b	ppb	1.3232	0.1	3280.56
K 766.491	16095.9b	ppb	31.4797	0.2	471716
Mg 279.078	15308.1b	ppb	17.0332	0.1	30007.6
Mn 257.610	219.257b	ppb	0.4425	0.2	49370.1
Mo 202.032	43.2986b	ppb	0.3526	0.8	310.665
Na 330.237	155696xb	ppb	447.492	0.3	6624.42
Ni 231.604	44.7978b	ppb	1.0198	2.3	108.984
Pb 220.353	18.5122b	ppb	1.3357	7.2	62.0223
Sb 206.834	17.6168b	ppb	2.1356	12.1	15.9571
Se 196.026	48.1689b	ppb	7.3159	15.2	33.6354
Sn 189.925	70.6733b	ppb	0.9239	1.3	42.5158
Sr 216.596	591.526b	ppb	1.8888	0.3	5574.25
Ti 334.941	40.0975b	ppb	0.0625	0.2	9657.30
Tl 190.794	17.8610b	ppb	2.1670	12.1	3.1119
V 292.401	47.7246b	ppb	0.2722	0.6	1195.50
Zn 206.200	175.749b	ppb	1.2554	219.07f	325.629

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

560-39347-a-3-g msd (Samp)	4/19/2013, 6:12:18 PM	Rack 1, Tube 60			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	4.0633	3.7610			
Al 308.215	2500.91	2478.60			
As 188.980	48.4942	45.1900			
B 249.678	434.745	435.070			
Ba 389.178	196.257	195.652			
Be 313.042	20.9635	20.9163			
Ca 370.602	66966	66689			
Cd 226.502	21.5490	21.3940			
Co 228.615	20.6874	20.0806			
Cr 267.716	41.5769	41.1865			
Cu 324.754	276.013	273.240			
Fe 271.441	1964.24	1959.10			
K 766.491	15992.7	15976.7			
Mg 279.078	15236.2	15097.2			
Mn 257.610	216.778	215.896			
Mo 202.032	40.0532	41.9577			
Na 330.237	155031x	155002x			
Ni 231.604	44.4095	45.1692			
Pb 220.353	17.6156	19.9866			
Sb 206.834	19.6257	17.8933			
Se 196.026	44.2924	39.9920			
Sn 189.925	64.7069	72.6432			
Sr 216.596	591.420	585.177			
Ti 334.941	39.1550	38.9540			
Tl 190.794	16.3184	13.2563			
V 292.401	46.7943	46.9328			
Zn 206.200	177.253	174.898			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.8180b	ppb	0.2223	5.8	244.298
Al 308.215	2492.05b	ppb	11.8468	0.5	5266.65
As 188.980	46.3415b	ppb	1.8658	4.0	19.1295
B 249.678	435.562b	ppb	1.1452	0.3	5324.75
Ba 389.178	196.229b	ppb	0.5628	0.3	3990.57
Be 313.042	20.9530b	ppb	0.0328	0.2	35060.1
Ca 370.602	66850b	ppb	143.7	0.2	173883
Cd 226.502	21.4048b	ppb	0.1392	0.7	738.081
Co 228.615	20.4838b	ppb	0.3492	1.7	189.169
Cr 267.716	41.4008b	ppb	0.1980	0.5	1255.22
Cu 324.754	275.346b	ppb	1.8644	0.7	14098.4
Fe 271.441	1965.95b	ppb	7.8399	0.4	3223.97
K 766.491	15983.8b	ppb	8.1246	0.1	468432
Mg 279.078	15193.2b	ppb	83.2440	0.5	29783.0
Mn 257.610	216.346b	ppb	0.4411	0.2	48717.6
Mo 202.032	41.3342b	ppb	1.1095	2.7	297.263
Na 330.237	155137xb	ppb	208.322	0.1	6600.84
Ni 231.604	44.2279b	ppb	1.0440	2.4	107.564
Pb 220.353	19.1102b	ppb	1.3008	6.8	63.0207
Sb 206.834	19.2705b	ppb	1.2385	6.4	17.5743
Se 196.026	40.7888b	ppb	3.1809	7.8	30.2311
Sn 189.925	68.7234b	ppb	3.9691	5.8	41.1424
Sr 216.596	588.690b	ppb	3.1942	0.5	5547.73
Ti 334.941	39.0716b	ppb	0.1048	0.3	9411.01
Tl 190.794	15.1519b	ppb	1.6561	10.9	0.6643
V 292.401	46.9604b	ppb	0.1815	0.4	1176.60
Zn 206.200	175.718b	ppb	1.3306	220.8f	323.591

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)		4/19/2013, 6:17:53 PM		Rack 2, Tube 1		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	483.187	475.775	483.541			
Al 308.215	4766.30	4777.40	4765.09			
As 188.980	451.562	458.501	459.418			
B 249.678	499.351	502.847	503.008			
Ba 389.178	5060.56	5063.06	5047.61			
Be 313.042	505.406	506.539	504.522			
Ca 370.602	4855	4860	4839			
Cd 226.502	518.037	518.064	516.064			
Co 228.615	519.008	514.864	517.670			
Cr 267.716	5041.89	5039.13	5035.51			
Cu 324.754	4984.96	5041.40	5002.98			
Fe 271.441	4846.40	4848.00	4846.12			
K 766.491	9775.60	9768.67	9750.79			
Mg 279.078	4833.35	4852.09	4849.59			
Mn 257.610	5159.61	5154.99	5144.10			
Mo 202.032	496.232	495.728	496.783			
Na 330.237	6988.16	7182.03	7234.29			
Ni 231.604	2607.37	2615.07	2608.71			
Pb 220.353	497.975	494.011	493.987			
Sb 206.834	923.380	919.537	924.229			
Se 196.026	4944.98	4956.28	4933.57			
Sn 189.925	4939.13	4944.33	4966.56			
Sr 216.596	2510.12	2506.08	2503.06			
Ti 334.941	485.611	485.644	485.400			
Tl 190.794	5038.44	5054.03	5042.43			
V 292.401	4932.74	4916.13	4913.18			
Zn 206.200	2563.74	2556.92	2553.76			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	480.834	ppb	4.3851	0.9	34872.4	96.16689
Al 308.215	4769.60	ppb	6.7846	0.1	10065.3	95.39198
As 188.980	456.494	ppb	4.2957	0.9	272.618	91.29881
B 249.678	501.735	ppb	2.0667	0.4	6090.32	20.06941Q
Ba 389.178	5057.07	ppb	8.2939	0.2	101493	101.14146
Be 313.042	505.489	ppb	1.0107	0.2	849095	101.09782
Ca 370.602	4851	ppb	10.84	0.2	12598	97.02628
Cd 226.502	517.389	ppb	1.1468	0.2	17026.4	103.47771
Co 228.615	517.180	ppb	2.1152	0.4	4873.27	103.43610
Cr 267.716	5038.84	ppb	3.1999	0.1	154224	100.77688
Cu 324.754	5009.78	ppb	28.8276	0.6	252767	100.19559
Fe 271.441	4846.84	ppb	1.0173	0.0	7901.17	96.93684
K 766.491	9765.02	ppb	12.8007	0.1	286277	97.65019
Mg 279.078	4845.01	ppb	10.1720	0.2	9479.44	96.90022
Mn 257.610	5152.90	ppb	7.9608	0.2	1153938	103.05796
Mo 202.032	496.248	ppb	0.5277	0.1	3392.86	99.24956
Na 330.237	7134.83	ppb	129.674	1.8	336.552	95.13103
Ni 231.604	2610.38	ppb	4.1169	0.2	6498.45	104.41526
Pb 220.353	495.324	ppb	2.2956	0.5	855.758	99.06490
Sb 206.834	922.382	ppb	2.5002	0.3	938.185	92.23817
Se 196.026	4944.94	ppb	11.3562	0.2	2293.24	98.89881
Sn 189.925	4950.01	ppb	14.5648	0.3	3478.33	99.00015
Sr 216.596	2506.42	ppb	3.5397	0.1	23454.1	100.25684
Ti 334.941	485.552	ppb	0.1325	0.0	116412	97.11034
Tl 190.794	5044.97	ppb	8.1009	0.2	4551.39	100.89934
V 292.401	4920.68	ppb	10.5434	0.2	123562	98.41365
Zn 206.200	2558.14	ppb	5.1041	0.2	3234.07	102.32550

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/19/2013, 6:23:28 PM		Rack 2, Tube 2		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.0653u	-0.4056u	-0.4321u			
Al 308.215	-17.5466u	-13.0655u	-22.1803u			
As 188.980	-5.7481u	-1.0742u	-0.2954u			
B 249.678	10.6535	9.5838	9.1906			
Ba 389.178	-1.6143u	-1.7440u	-1.7589u			
Be 313.042	-0.0831u	-0.0664u	-0.0678u			
Ca 370.602	-19.37u	-16.26u	-26.51u			
Cd 226.502	-0.0419u	0.0140	0.0322			
Co 228.615	-0.6174u	-0.8599u	-0.0622u			
Cr 267.716	0.2370	0.0505	0.1559			
Cu 324.754	-0.4956u	-0.9250u	-0.9557u			
Fe 271.441	-7.3186u	-3.9180u	-6.6210u			
K 766.491	-1.3270u	-1.0806u	-0.3605u			
Mg 279.078	-25.1586u	-25.4283u	-20.3740u			
Mn 257.610	-0.3786u	-0.1309u	-0.0746u			
Mo 202.032	0.6003	0.9933	0.7535			
Na 330.237	-362.529u	194.550	-112.624u			
Ni 231.604	-0.3721u	-0.6691u	-1.6648u			
Pb 220.353	-0.9894u	-0.9273u	-0.2818u			
Sb 206.834	2.8331	-1.0820u	1.1910			
Se 196.026	2.1395	-8.0074u	-0.1440u			
Sn 189.925	-0.6974u	0.8413	1.7356			
Sr 216.596	-0.4721u	-0.3265u	-0.3061u			
Ti 334.941	-0.0953u	-0.0423u	-0.0631u			
Tl 190.794	6.1711	2.6467	-0.4263u			
V 292.401	-0.1934u	0.0819	0.0954			
Zn 206.200	1.6004	0.2859	0.1084			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3010	ppb	0.2046	68.0	-30.3846	-0.30099
Al 308.215	-17.5975	ppb	4.5576	25.9	-33.3993	-17.59749
As 188.980	-2.3726	ppb	2.9492	124.3	-11.5938	-2.37256
B 249.678	9.8093	ppb	0.7571	7.7	379.231	9.80929
Ba 389.178	-1.7057	ppb	0.0795	4.7	-15.5914	-1.70574
Be 313.042	-0.0724	ppb	0.0093	12.8	-270.927	-0.07243
Ca 370.602	-20.71	ppb	5.254	25.4	19.50	-20.71159
Cd 226.502	0.0014	ppb	0.0386	2696.8	31.7896	0.00143
Co 228.615	-0.5132	ppb	0.4089	79.7	-8.2888	-0.51317
Cr 267.716	0.1478	ppb	0.0935	63.2	-9.8362	0.14782
Cu 324.754	-0.7921	ppb	0.2572	32.5	174.639	-0.79208
Fe 271.441	-5.9525	ppb	1.7961	30.2	96.9454	-5.95252
K 766.491	-0.9227	ppb	0.5022	54.4	218.928	-0.92271
Mg 279.078	-23.6536	ppb	2.8435	12.0	38.5901	-23.65363
Mn 257.610	-0.1947	ppb	0.1617	83.0	143.553	-0.19470
Mo 202.032	0.7824	ppb	0.1981	25.3	20.7098	0.78236
Na 330.237	-93.5347	ppb	279.030	298.3	51.4148	-93.53466
Ni 231.604	-0.9020	ppb	0.6771	75.1	-4.8687	-0.90199
Pb 220.353	-0.7328	ppb	0.3918	53.5	30.0661	-0.73283
Sb 206.834	0.9807	ppb	1.9660	200.5	-0.2061	0.98070
Se 196.026	-2.0040	ppb	5.3230	265.6	10.4550	-2.00398
Sn 189.925	0.6265	ppb	1.2306	196.4	-6.8762	0.62648
Sr 216.596	-0.3682	ppb	0.0905	24.6	25.4524	-0.36821
Ti 334.941	-0.0669	ppb	0.0267	40.0	-21.3022	-0.06688
Tl 190.794	2.7972	ppb	3.3012	118.0	-10.1599	2.79718
V 292.401	-0.0054	ppb	0.1629	3040.1	3.6080	-0.00536
Zn 206.200	0.6649	ppb	0.8450	2122.65	3255668	0.66488

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89324-a-1-a^10 (Samp)		4/19/2013, 6:29:14 PM		Rack 2, Tube 3		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	11.9152	11.4331	11.1170			
Al 308.215	57.2752	58.2267	57.9036			
As 188.980	0.9133	0.9602	-2.4712u			
B 249.678	57.2498	55.5374	53.8606			
Ba 389.178	-3.6922u	-3.1520u	-2.3755u			
Be 313.042	-0.0931u	-0.0882u	-0.1015u			
Ca 370.602	144.5	133.8	121.1			
Cd 226.502	-0.2714u	-0.0248u	-0.0265u			
Co 228.615	-1.0688u	-0.6706u	-0.1740u			
Cr 267.716	12.0920	11.6110	10.6933			
Cu 324.754	-0.5714u	-0.9978u	-0.6601u			
Fe 271.441	-5.2429u	-18.3699u	-10.2980u			
K 766.491	2927.88	2845.07	2744.20			
Mg 279.078	-27.5829u	-19.2060u	-7.7528u			
Mn 257.610	37238.0x	36351.2x	35264.5x			
Mo 202.032	0.0095	0.0231	-0.1953u			
Na 330.237	129019x	125634x	121146x			
Ni 231.604	-3.7411u	-3.1320u	-4.2719u			
Pb 220.353	-1.4009	-2.6714	-2.9290			
Sb 206.834	-4.8834u	-0.6185u	0.2641			
Se 196.026	0.7283	5.8946	1.9504			
Sn 189.925	-0.4800u	1.0526	-0.0152			
Sr 216.596	-0.6286u	-1.0883u	-0.3495u			
Ti 334.941	-0.0941u	-0.0816u	-0.0807u			
Tl 190.794	65.0869	62.8570	61.5350			
V 292.401	-1.8519u	-1.9405u	-1.6015u			
Zn 206.200	7.6319	7.2137	8.0211			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	11.4884b	ppb	0.4020	3.5	987.103	
Al 308.215	57.8019b	ppb	0.4838	0.8	125.754	
As 188.980	-0.1992b	ppb	1.9677	987.6	-10.2440	
B 249.678	55.5493b	ppb	1.6946	3.1	910.801	
Ba 389.178	-3.0733b	ppb	0.6619	21.5	-43.6635	
Be 313.042	-0.0943b	ppb	0.0068	7.2	-328.425	
Ca 370.602	133.2b	ppb	11.71	8.8	1251	
Cd 226.502	-0.1076b	ppb	0.1419	131.9	27.6257	
Co 228.615	-0.6378b	ppb	0.4483	70.3	-9.4244	
Cr 267.716	11.4654b	ppb	0.7106	6.2	437.921	
Cu 324.754	-0.7431b	ppb	0.2250	30.3	177.100	
Fe 271.441	-11.3036b	ppb	6.6210	58.6	88.3848	
K 766.491	2839.05b	ppb	91.9877	3.2	83405.6	
Mg 279.078	-18.1805b	ppb	9.9547	54.8	-489.813	
Mn 257.610	36284.6xb	ppb	988.431	2.7	8124134	
Mo 202.032	-0.0542b	ppb	0.1224	225.7	15.0045	
Na 330.237	125266xb	ppb	3949.21	3.2	5341.99	
Ni 231.604	-3.7150b	ppb	0.5704	15.4	-11.8744	
Pb 220.353	-2.3337b	ppb	0.8181	35.1	35.2534	
Sb 206.834	-1.7459b	ppb	2.7527	157.7	-2.7851	
Se 196.026	2.8578b	ppb	2.7000	94.5	21.0647	
Sn 189.925	0.1858b	ppb	0.7858	423.0	-7.1517	
Sr 216.596	-0.6888b	ppb	0.3731	54.2	22.5136	
Ti 334.941	-0.0855b	ppb	0.0075	8.8	-34.5089	
Tl 190.794	63.1596b	ppb	1.7952	2.8	-3.6664	
V 292.401	-1.7979b	ppb	0.1758	9.8	-42.5154	
Zn 206.200	7.6222b	ppb	0.4038	223.53f	325.3823	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

mb 680-273658/1-a (Samp)		4/19/2013, 6:34:49 PM		Rack 2, Tube 4		
Label	Replicates	Concentration				
Ag 328.068	-0.4615u	0.0499	-0.2814u			
Al 308.215	-13.8822u	-19.7646u	-15.6590u			
As 188.980	1.3824	0.0193	-2.1227u			
B 249.678	-1.6908u	-1.7642u	-2.2064u			
Ba 389.178	-2.3625u	-2.8551u	-1.3982u			
Be 313.042	-0.1084u	-0.1003u	-0.0993u			
Ca 370.602	-24.52u	-21.29u	-23.96u			
Cd 226.502	0.1813	0.0254	-0.3570u			
Co 228.615	-0.1086u	-0.3871u	0.0197			
Cr 267.716	-0.1542u	-0.1491u	-0.2762u			
Cu 324.754	-0.9440u	-0.9591u	-0.9197u			
Fe 271.441	-10.2939u	-9.1419u	-17.0874u			
K 766.491	-1.0739u	-1.1830u	-2.2004u			
Mg 279.078	-22.8945u	-27.1673u	-21.7607u			
Mn 257.610	3.4162	5.2243	6.5825			
Mo 202.032	0.1848	0.0821	-0.1189u			
Na 330.237	4.2755	16.3730	53.7485			
Ni 231.604	-2.1248u	-1.8845u	-2.5012u			
Pb 220.353	-0.8759u	0.3827	-1.4538u			
Sb 206.834	-2.0034u	-0.5456u	-2.9709u			
Se 196.026	-2.9083u	-7.6245u	-10.1144u			
Sn 189.925	-2.4696u	-1.2727u	-3.7424u			
Sr 216.596	-0.4648u	-0.3089u	-0.5888u			
Ti 334.941	-0.1339u	-0.1857u	-0.2521u			
Tl 190.794	-0.6069u	-1.6050u	1.2498			
V 292.401	-0.8401u	-0.4758u	-0.3287u			
Zn 206.200	0.4739	0.3597	0.7483			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-0.2310	ppb	0.2594	112.3	-25.2557	
Al 308.215	-16.4353	ppb	3.0170	18.4	-30.9689	
As 188.980	-0.2403	ppb	1.7669	735.2	-10.2723	
B 249.678	-1.8871	ppb	0.2789	14.8	243.310	
Ba 389.178	-2.2053	ppb	0.7411	33.6	-25.6167	
Be 313.042	-0.1027	ppb	0.0050	4.8	-321.667	
Ca 370.602	-23.25	ppb	1.728	7.4	13.29	
Cd 226.502	-0.0501	ppb	0.2769	552.6	30.0874	
Co 228.615	-0.1587	ppb	0.2080	131.1	-4.9375	
Cr 267.716	-0.1932	ppb	0.0720	37.3	-20.2577	
Cu 324.754	-0.9410	ppb	0.0199	2.1	167.122	
Fe 271.441	-12.1744	ppb	4.2936	35.3	87.0147	
K 766.491	-1.4858	ppb	0.6213	41.8	202.435	
Mg 279.078	-23.9408	ppb	2.8511	11.9	37.9496	
Mn 257.610	5.0743	ppb	1.5885	31.3	1323.26	
Mo 202.032	0.0494	ppb	0.1545	313.0	15.7088	
Na 330.237	24.7989	ppb	25.7904	104.0	56.4121	
Ni 231.604	-2.1702	ppb	0.3109	14.3	-8.0271	
Pb 220.353	-0.6490	ppb	0.9390	144.7	30.2078	
Sb 206.834	-1.8400	ppb	1.2209	66.4	-2.9302	
Se 196.026	-6.8824	ppb	3.6599	53.2	8.2062	
Sn 189.925	-2.4949	ppb	1.2350	49.5	-9.0741	
Sr 216.596	-0.4542	ppb	0.1403	30.9	24.6857	
Ti 334.941	-0.1906	ppb	0.0592	31.1	-50.9534	
Tl 190.794	-0.3207	ppb	1.4488	451.7	-12.9906	
V 292.401	-0.5482	ppb	0.2633	48.0	-9.9585	
Zn 206.200	0.5273	ppb	0.1997	2247.8	3253926	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Ics 680-273658/2-a (Samp)		4/19/2013, 6:40:24 PM		Rack 2, Tube 5	
Weight: 1		Volume: 1		Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	42.1530	41.4480	41.8560		
Al 308.215	5039.96	5067.83	5045.56		
As 188.980	99.9761	102.226	94.3185		
B 249.678	182.994	183.833	184.608		
Ba 389.178	99.9077	100.239	100.258		
Be 313.042	51.6079	51.5899	51.4126		
Ca 370.602	4798	4797	4788		
Cd 226.502	52.8809	53.0016	52.6519		
Co 228.615	52.2732	52.0924	51.5532		
Cr 267.716	103.026	103.671	102.920		
Cu 324.754	101.963	100.517	101.373		
Fe 271.441	4863.79	4849.60	4835.72		
K 766.491	4891.02	4881.05	4873.30		
Mg 279.078	4856.41	4852.41	4831.69		
Mn 257.610	530.902	529.408	528.296		
Mo 202.032	101.174	101.348	100.753		
Na 330.237	4960.23	4829.54	4967.34		
Ni 231.604	103.775	100.758	101.738		
Pb 220.353	51.9726	52.7025	49.2056		
Sb 206.834	44.2676	42.9404	49.4772		
Se 196.026	102.050	98.7345	90.1323		
Sn 189.925	199.718	192.758	197.941		
Sr 216.596	101.288	101.228	100.765		
Ti 334.941	96.8694	97.6177	96.7937		
Tl 190.794	40.1085	40.1810	39.4142		
V 292.401	99.9195	99.5670	99.3103		
Zn 206.200	104.686	102.438	103.986		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	41.8190	ppb	0.3539	0.8	3028.63
Al 308.215	5051.12	ppb	14.7432	0.3	10671.9
As 188.980	98.8402	ppb	4.0744	4.1	51.0906
B 249.678	183.812	ppb	0.8072	0.4	2395.73
Ba 389.178	100.135	ppb	0.1968	0.2	2040.31
Be 313.042	51.5368	ppb	0.1079	0.2	86442.1
Ca 370.602	4794	ppb	5.604	0.1	12252
Cd 226.502	52.8448	ppb	0.1776	0.3	1776.90
Co 228.615	51.9729	ppb	0.3746	0.7	485.256
Cr 267.716	103.205	ppb	0.4065	0.4	3146.57
Cu 324.754	101.284	ppb	0.7274	0.7	5324.40
Fe 271.441	4849.70	ppb	14.0325	0.3	7797.13
K 766.491	4881.79	ppb	8.8856	0.2	143240
Mg 279.078	4846.84	ppb	13.2697	0.3	9551.72
Mn 257.610	529.535	ppb	1.3078	0.2	118788
Mo 202.032	101.092	ppb	0.3061	0.3	704.827
Na 330.237	4919.04	ppb	77.5849	1.6	260.515
Ni 231.604	102.090	ppb	1.5394	1.5	251.724
Pb 220.353	51.2936	ppb	1.8447	3.6	116.497
Sb 206.834	45.5617	ppb	3.4552	7.6	43.1378
Se 196.026	96.9724	ppb	6.1513	6.3	56.2004
Sn 189.925	196.805	ppb	3.6162	1.8	131.270
Sr 216.596	101.094	ppb	0.2866	0.3	973.333
Ti 334.941	97.0936	ppb	0.4555	0.5	23289.7
Tl 190.794	39.9012	ppb	0.4233	1.1	22.5437
V 292.401	99.5989	ppb	0.3058	0.3	2489.83
Zn 206.200	103.703	ppb	1.1505	1.6	322.056

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Ics 680-273658/3-a (Samp)	4/19/2013, 6:45:59 PM		Rack 2, Tube 6		
Weight: 1	Volume: 1			Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	101.071	102.077	101.780		
Al 308.215	1989.48	1999.08	2004.94		
As 188.980	206.498	212.728	204.003		
B 249.678	371.607	373.409	375.779		
Ba 389.178	196.247	196.245	195.383		
Be 313.042	204.358	204.232	204.474		
Ca 370.602	19388	19380	19392		
Cd 226.502	207.009	206.659	207.182		
Co 228.615	205.535	205.427	205.810		
Cr 267.716	200.736	201.573	201.487		
Cu 324.754	200.658	200.602	200.846		
Fe 271.441	20031.7	20019.8	20028.2		
K 766.491	19671.9	19625.2	19625.3		
Mg 279.078	19488.8	19484.8	19498.6		
Mn 257.610	2104.26	2103.75	2105.36		
Mo 202.032	198.246	197.968	199.186		
Na 330.237	17950.9	18059.1	17914.2		
Ni 231.604	203.035	204.657	202.965		
Pb 220.353	195.770	195.638	192.968		
Sb 206.834	188.639	185.695	196.753		
Se 196.026	193.053	201.075	189.605		
Sn 189.925	190.990	197.098	193.714		
Sr 216.596	211.916	210.417	210.981		
Ti 334.941	192.428	192.567	192.856		
Tl 190.794	42.6886	45.9834	42.3777		
V 292.401	199.114	198.001	198.513		
Zn 206.200	190.279	190.062	188.871		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	101.643	ppb	0.5171	0.5	7377.97
Al 308.215	1997.83	ppb	7.8078	0.4	4229.92
As 188.980	207.743	ppb	4.4940	2.2	118.518
B 249.678	373.598	ppb	2.0921	0.6	4583.66
Ba 389.178	195.958	ppb	0.4985	0.3	4000.24
Be 313.042	204.355	ppb	0.1210	0.1	343236
Ca 370.602	19386	ppb	6.047	0.0	49255
Cd 226.502	206.950	ppb	0.2661	0.1	6868.34
Co 228.615	205.591	ppb	0.1976	0.1	1930.82
Cr 267.716	201.265	ppb	0.4607	0.2	6153.85
Cu 324.754	200.702	ppb	0.1281	0.1	10343.2
Fe 271.441	20026.6	ppb	6.1296	0.0	31861.3
K 766.491	19640.8	ppb	26.9314	0.1	575551
Mg 279.078	19490.7	ppb	7.1459	0.0	38159.6
Mn 257.610	2104.46	ppb	0.8204	0.0	471530
Mo 202.032	198.467	ppb	0.6385	0.3	1368.43
Na 330.237	17974.7	ppb	75.3418	0.4	806.620
Ni 231.604	203.553	ppb	0.9571	0.5	504.707
Pb 220.353	194.792	ppb	1.5808	0.8	355.532
Sb 206.834	190.362	ppb	5.7270	3.0	184.399
Se 196.026	194.578	ppb	5.8853	3.0	101.498
Sn 189.925	193.934	ppb	3.0597	1.6	129.257
Sr 216.596	211.104	ppb	0.7570	0.4	2005.92
Ti 334.941	192.617	ppb	0.2181	0.1	46246.4
Tl 190.794	43.6832	ppb	1.9981	4.6	23.2481
V 292.401	198.543	ppb	0.5571	0.3	4960.01
Zn 206.200	189.737	ppb	0.7579	0.4	24.978

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89329-c-4-a (Samp)	4/19/2013, 6:51:33 PM	Rack 2, Tube 7
Weight: 1	Volume: 1	Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	-0.5653u	-0.4883u	-0.6782u
Al 308.215	246.831	240.880	234.858
As 188.980	6.4123	4.5540	5.4915
B 249.678	967.343	964.169	968.118
Ba 389.178	18.2144	17.8835	17.5734
Be 313.042	0.1416u	0.1214u	0.1358u
Ca 370.602	27365	27354	27347
Cd 226.502	0.6724	0.4899u	0.5713u
Co 228.615	-0.0289u	0.8567	0.1234u
Cr 267.716	-1.5675	-1.3920	-1.1454
Cu 324.754	11.4002	11.3952	11.4004
Fe 271.441	87.0601	82.4964	75.9513
K 766.491	32833.2	32607.4	32664.9
Mg 279.078	3178.33	3182.86	3175.49
Mn 257.610	19.8476	19.6167	19.6284
Mo 202.032	129.934	129.912	130.392
Na 330.237	4882026x	4888809x	4858521x
Ni 231.604	2.5248	2.9222	4.7283
Pb 220.353	5.8073	4.6950	4.5546
Sb 206.834	-3.9488u	2.4011	2.5713
Se 196.026	36.3346	38.7321	30.9876
Sn 189.925	-3.0537u	1.6307	-1.1616
Sr 216.596	89.4552	90.3324	89.9687
Ti 334.941	1.9890	1.9515	1.8448
Tl 190.794	-3.0936u	-4.7471u	-5.0987u
V 292.401	1.2530u	1.0612u	1.0225u
Zn 206.200	47.5451	50.7603	46.2758

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5772b	ppb	0.0955	16.5	-54.4904
Al 308.215	240.856b	ppb	5.9869	2.5	518.588
As 188.980	5.4860b	ppb	0.9292	16.9	-6.5273
B 249.678	966.544b	ppb	2.0922	0.2	11497.6
Ba 389.178	17.8904b	ppb	0.3205	1.8	385.423
Be 313.042	0.1329b	ppb	0.0104	7.8	-401.308
Ca 370.602	27355b	ppb	8.777	0.0	71242
Cd 226.502	0.5779b	ppb	0.0914	15.8	28.8017
Co 228.615	0.3171b	ppb	0.4735	149.3	-3.9927
Cr 267.716	-1.3683b	ppb	0.2120	15.5	-5.0810
Cu 324.754	11.3986b	ppb	0.0029	0.0	792.922
Fe 271.441	81.8359b	ppb	5.5838	6.8	236.145
K 766.491	32701.8b	ppb	117.345	0.4	958127
Mg 279.078	3178.89b	ppb	3.7160	0.1	6299.02
Mn 257.610	19.6976b	ppb	0.1301	0.7	4592.38
Mo 202.032	130.079b	ppb	0.2712	0.2	903.042
Na 330.237	4876452xb	ppb	15894.5	0.3	205858
Ni 231.604	3.3917b	ppb	1.1744	34.6	5.8264
Pb 220.353	5.0190b	ppb	0.6863	13.7	39.4667
Sb 206.834	0.3412b	ppb	3.7162	1089.1	-2.5308
Se 196.026	35.3514b	ppb	3.9647	11.2	27.6881
Sn 189.925	-0.8615b	ppb	2.3565	273.5	-6.5604
Sr 216.596	89.9188b	ppb	0.4407	0.5	869.442
Ti 334.941	1.9284b	ppb	0.0748	3.9	169.369
Tl 190.794	-4.3131b	ppb	1.0707	24.8	-16.6812
V 292.401	1.1122b	ppb	0.1234	11.1	-24.3203
Zn 206.200	48.1937b	ppb	2.3415	2274.8f	3258750

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89329-c-4-a (Samp)		4/19/2013, 6:57:19 PM		Rack 2, Tube 8	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.3420u	-0.4562u	-0.3833u		
Al 308.215	36.1221	36.9276	37.2904		
As 188.980	2.6487	-0.6533u	0.8399		
B 249.678	212.369	208.740	208.086		
Ba 389.178	1.6485	1.5872	2.2170		
Be 313.042	-0.0717u	-0.0639u	-0.0500u		
Ca 370.602	6078	5968	5947		
Cd 226.502	0.1519	0.1253u	0.1839		
Co 228.615	-0.4068u	-0.2163u	-0.0895u		
Cr 267.716	-0.5998u	-0.8473u	-0.7641u		
Cu 324.754	1.7517	1.8672	1.5484		
Fe 271.441	14.3916	12.5793	2.0989		
K 766.491	4912.52	4793.92	4770.36		
Mg 279.078	734.094	723.724	712.430		
Mn 257.610	4.3508	4.4173	4.5789		
Mo 202.032	30.5962	28.4022	29.0101		
Na 330.237	1049749x	1038410x	1027763x		
Ni 231.604	1.2710	1.4650	0.7339		
Pb 220.353	-0.9424u	0.5400	1.6374		
Sb 206.834	-2.8224u	-1.4834u	-1.1894u		
Se 196.026	8.6950	20.6407	9.0326		
Sn 189.925	-2.3662u	2.1601	1.8027		
Sr 216.596	19.3754	19.7427	19.7254		
Ti 334.941	0.1635u	0.2005u	0.1636u		
Tl 190.794	-3.7489u	-3.4209u	-0.5334u		
V 292.401	0.0958u	-0.6213u	-0.1814u		
Zn 206.200	10.0581	10.8583	13.3751		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3938b	ppb	0.0578	14.7	-38.0163
Al 308.215	36.7800b	ppb	0.5980	1.6	82.7996
As 188.980	0.9451b	ppb	1.6535	175.0	-9.4944
B 249.678	209.732b	ppb	2.3074	1.1	2702.57
Ba 389.178	1.8176b	ppb	0.3473	19.1	56.9250
Be 313.042	-0.0619b	ppb	0.0110	17.7	-354.226
Ca 370.602	5998b	ppb	70.42	1.2	15677
Cd 226.502	0.1537b	ppb	0.0294	19.1	32.1259
Co 228.615	-0.2375b	ppb	0.1597	67.2	-6.4725
Cr 267.716	-0.7371b	ppb	0.1260	17.1	-26.0447
Cu 324.754	1.7224b	ppb	0.1614	9.4	302.222
Fe 271.441	9.6899b	ppb	6.6362	68.5	121.696
K 766.491	4825.60b	ppb	76.1912	1.6	141594
Mg 279.078	723.416b	ppb	10.8356	1.5	1498.98
Mn 257.610	4.4490b	ppb	0.1173	2.6	1182.59
Mo 202.032	29.3362b	ppb	1.1328	3.9	215.564
Na 330.237	1038641xb	ppb	10994.6	1.1	43889.4
Ni 231.604	1.1566b	ppb	0.3787	32.7	0.2585
Pb 220.353	0.4117b	ppb	1.2947	314.5	31.9332
Sb 206.834	-1.8317b	ppb	0.8705	47.5	-3.3065
Se 196.026	12.7894b	ppb	6.8015	53.2	17.2790
Sn 189.925	0.5322b	ppb	2.5164	472.8	-6.6526
Sr 216.596	19.6145b	ppb	0.2073	1.1	212.242
Ti 334.941	0.1759b	ppb	0.0213	12.1	-23.9937
Tl 190.794	-2.5677b	ppb	1.7694	68.9	-15.0371
V 292.401	-0.2356b	ppb	0.3616	153.5	-14.2694
Zn 206.200	11.4305b	ppb	1.7310	228.16f	315.2277

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89329-c-4-a (Samp)	4/19/2013, 7:02:56 PM		Rack 2, Tube 9		
Weight: 1	Volume: 1		Dilution: 1		
Label	Replicates	Concentration			
Ag 328.068	56.1208	55.9755	56.3497		
Al 308.215	2489.71	2472.79	2480.10		
As 188.980	2480.02	2455.73	2454.21		
B 249.678	2035.81	2029.67	2040.40		
Ba 389.178	2121.24	2107.61	2110.29		
Be 313.042	54.2222	53.8269	53.9623		
Ca 370.602	31589	31490	31512		
Cd 226.502	54.5025	54.4950	54.4182		
Co 228.615	533.557	527.974	528.023		
Cr 267.716	208.644	207.809	207.879		
Cu 324.754	289.813	287.470	287.789		
Fe 271.441	1062.64	1053.27	1059.61		
K 766.491	43825.6x	43465.4x	43378.0		
Mg 279.078	7860.14	7829.09	7830.43		
Mn 257.610	560.377	556.153	557.168		
Mo 202.032	650.268	649.916	650.654		
Na 330.237	4734155x	4726593x	4745443x		
Ni 231.604	521.389	518.809	522.647		
Pb 220.353	496.413	497.731	493.883		
Sb 206.834	532.847	529.488	533.940		
Se 196.026	2616.90	2589.44	2588.27		
Sn 189.925	1023.32	1019.17	1019.19		
Sr 216.596	627.835	625.459	627.343		
Ti 334.941	993.559	987.907	989.377		
Tl 190.794	1953.29	1937.78	1951.26		
V 292.401	510.488	506.589	507.053		
Zn 206.200	608.424	599.654	601.482		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	56.1487b	ppb	0.1886	0.3	4049.00
Al 308.215	2480.87b	ppb	8.4853	0.3	5269.85
As 188.980	2463.32b	ppb	14.4805	0.6	1516.44
B 249.678	2035.30b	ppb	5.3842	0.3	23916.7
Ba 389.178	2113.05b	ppb	7.2218	0.3	42430.8
Be 313.042	54.0038b	ppb	0.2009	0.4	90052.1
Ca 370.602	31530b	ppb	52.01	0.2	82203
Cd 226.502	54.4719b	ppb	0.0466	0.1	1800.83
Co 228.615	529.852b	ppb	3.2095	0.6	4988.51
Cr 267.716	208.110b	ppb	0.4632	0.2	6405.80
Cu 324.754	288.357b	ppb	1.2709	0.4	14766.5
Fe 271.441	1058.51b	ppb	4.7790	0.5	1863.12
K 766.491	43556.3xb	ppb	237.237	0.5	1276069
Mg 279.078	7839.89b	ppb	17.5558	0.2	15402.6
Mn 257.610	557.899b	ppb	2.2051	0.4	125123
Mo 202.032	650.279b	ppb	0.3691	0.1	4451.99
Na 330.237	4735397xb	ppb	9486.18	0.2	199895
Ni 231.604	520.948b	ppb	1.9566	0.4	1294.79
Pb 220.353	496.009b	ppb	1.9556	0.4	855.461
Sb 206.834	532.091b	ppb	2.3201	0.4	507.715
Se 196.026	2598.20b	ppb	16.2033	0.6	1209.84
Sn 189.925	1020.56b	ppb	2.3889	0.2	712.657
Sr 216.596	626.879b	ppb	1.2542	0.2	5875.64
Ti 334.941	990.281b	ppb	2.9323	0.3	237128
Tl 190.794	1947.44b	ppb	8.4293	0.4	1750.40
V 292.401	508.044b	ppb	2.1297	0.4	12652.4
Zn 206.200	603.187b	ppb	4.6273	0.8f	765.587

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89329-c-4-b ms (Samp)	4/19/2013, 7:08:32 PM	Rack 2, Tube 10			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	59.6795	59.7007			
Al 308.215	6003.73	5989.11			
As 188.980	121.442	127.347			
B 249.678	1175.22	1180.63			
Ba 389.178	122.120	123.283			
Be 313.042	55.1019	55.1253			
Ca 370.602	31707	31713			
Cd 226.502	55.8079	55.8237			
Co 228.615	52.8423	52.2833			
Cr 267.716	104.971	104.520			
Cu 324.754	122.275	122.295			
Fe 271.441	4998.70	5028.52			
K 766.491	43235.9	43202.7			
Mg 279.078	7797.35	7816.68			
Mn 257.610	561.524	561.243			
Mo 202.032	232.445	231.371			
Na 330.237	4755398x	4784652x			
Ni 231.604	108.059	110.040			
Pb 220.353	50.8632	53.9031			
Sb 206.834	58.9306	47.6363			
Se 196.026	174.112	167.554			
Sn 189.925	201.916	196.467			
Sr 216.596	195.668	195.094			
Ti 334.941	100.647	100.601			
Tl 190.794	37.2200	37.0156			
V 292.401	104.135	103.951			
Zn 206.200	158.329	157.669			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	59.5776b	ppb	0.1952	0.3	4314.84
Al 308.215	5995.95b	ppb	7.3566	0.1	12673.0
As 188.980	125.695b	ppb	3.7130	3.0	67.9225
B 249.678	1177.10b	ppb	3.0577	0.3	13938.8
Ba 389.178	122.559b	ppb	0.6315	0.5	2497.51
Be 313.042	55.0875b	ppb	0.0467	0.1	91943.4
Ca 370.602	31703b	ppb	11.64	0.0	82253
Cd 226.502	55.7783b	ppb	0.0654	0.1	1851.97
Co 228.615	52.6610b	ppb	0.3272	0.6	488.233
Cr 267.716	104.731b	ppb	0.2270	0.2	3243.31
Cu 324.754	122.075b	ppb	0.3648	0.3	6376.30
Fe 271.441	5009.82b	ppb	16.2893	0.3	8051.07
K 766.491	43197.6b	ppb	41.1079	0.1	1265561
Mg 279.078	7795.81b	ppb	21.6874	0.3	15316.1
Mn 257.610	560.746b	ppb	1.1132	0.2	125770
Mo 202.032	231.079b	ppb	1.5326	0.7	1591.86
Na 330.237	4765250xb	ppb	16803.7	0.4	201162
Ni 231.604	107.859b	ppb	2.2870	2.1	266.094
Pb 220.353	52.5104b	ppb	1.5358	2.9	118.336
Sb 206.834	53.6078b	ppb	5.6750	10.6	49.2651
Se 196.026	172.331b	ppb	4.1819	2.4	90.9638
Sn 189.925	198.429b	ppb	3.0279	1.5	133.746
Sr 216.596	195.091b	ppb	0.5777	0.3	1852.00
Ti 334.941	100.641b	ppb	0.0379	0.0	23858.3
Tl 190.794	38.2479b	ppb	1.9601	5.1	20.9467
V 292.401	104.143b	ppb	0.1954	0.2	2548.50
Zn 206.200	159.221b	ppb	2.1421	1.3	202.492

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89329-c-4-c msd (Samp) **4/19/2013, 7:14:08 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration
Ag 328.068	39.6844	39.8366
Al 308.215	6066.81	6061.42
As 188.980	129.932	117.537
B 249.678	1196.10	1199.38
Ba 389.178	120.300	121.261
Be 313.042	55.0310	54.9405
Ca 370.602	32446	32368
Cd 226.502	55.3752	55.1084
Co 228.615	52.2301	51.9232
Cr 267.716	105.195	105.761
Cu 324.754	120.869	121.699
Fe 271.441	4988.32	4980.70
K 766.491	44863.9x	44879.3x
Mg 279.078	7832.97	7826.27
Mn 257.610	557.918	557.120
Mo 202.032	234.713	234.095
Na 330.237	4887374x	4867382x
Ni 231.604	102.711	105.983
Pb 220.353	51.9158	54.1806
Sb 206.834	51.2967	55.5249
Se 196.026	157.375	157.354
Sn 189.925	199.627	201.857
Sr 216.596	197.193	197.885
Ti 334.941	100.417	100.447
Tl 190.794	29.8863	36.5654
V 292.401	103.627	103.764
Zn 206.200	165.551	160.076
		163.455

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	39.7286b	ppb	0.0940	0.2	2872.56
Al 308.215	6067.05b	ppb	5.7549	0.1	12823.3
As 188.980	127.202b	ppb	8.6302	6.8	68.8603
B 249.678	1198.48b	ppb	2.0765	0.2	14187.3
Ba 389.178	121.241b	ppb	0.9310	0.8	2471.08
Be 313.042	54.9390b	ppb	0.0927	0.2	91683.1
Ca 370.602	32385b	ppb	54.14	0.2	84029
Cd 226.502	55.1206b	ppb	0.2487	0.5	1829.80
Co 228.615	52.1794b	ppb	0.2350	0.5	483.622
Cr 267.716	105.232b	ppb	0.5121	0.5	3259.77
Cu 324.754	121.031b	ppb	0.6032	0.5	6323.73
Fe 271.441	4984.56b	ppb	3.8148	0.1	8010.99
K 766.491	44875.2xb	ppb	9.8833	0.0	1314700
Mg 279.078	7818.50b	ppb	19.5536	0.3	15360.5
Mn 257.610	557.105b	ppb	0.8199	0.1	124955
Mo 202.032	235.010b	ppb	1.0940	0.5	1618.68
Na 330.237	4865923xb	ppb	22215.9	0.5	205411
Ni 231.604	105.073b	ppb	2.0636	2.0	259.156
Pb 220.353	51.2369b	ppb	3.3354	6.5	116.214
Sb 206.834	51.2208b	ppb	4.3426	8.5	46.9171
Se 196.026	158.229b	ppb	1.4971	0.9	84.4586
Sn 189.925	201.352b	ppb	1.5362	0.8	135.835
Sr 216.596	197.148b	ppb	0.7594	0.4	1871.26
Ti 334.941	100.348b	ppb	0.1460	0.1	23781.3
Tl 190.794	32.1391b	ppb	3.8336	11.9	15.4196
V 292.401	103.491b	ppb	0.3604	0.3	2531.01
Zn 206.200	163.027b	ppb	2.7625	231.07	207.324

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89339-a-1-a (Samp)		4/19/2013, 7:19:44 PM		Rack 2, Tube 12	
Label	Replicates	Concentration			
Ag 328.068	-0.2332u	-0.2387u	0.0725u		
Al 308.215	-0.9630u	0.9420	7.1569		
As 188.980	-0.4061u	4.4901	0.5341		
B 249.678	147.523	147.388	147.262		
Ba 389.178	-0.6642	-0.7923	-0.4624		
Be 313.042	-0.0326u	0.0568	0.1158		
Ca 370.602	27054	27090	27095		
Cd 226.502	0.6892	0.7229	0.4973		
Co 228.615	0.2685	-0.0807u	-0.6309u		
Cr 267.716	0.9871	1.1214	1.3862		
Cu 324.754	59.0244	59.1711	59.9220		
Fe 271.441	14.3869	16.6601	21.4512		
K 766.491	7086.08	7119.96	7161.61		
Mg 279.078	21829.4	21820.2	21808.7		
Mn 257.610	15.9031	19.3192	22.2885		
Mo 202.032	1.5966	1.8394	1.9117		
Na 330.237	161340x	165303x	165622x		
Ni 231.604	74.2646	74.8189	75.7025		
Pb 220.353	1.1613	-2.6689u	2.6005		
Sb 206.834	1.0856	-0.8572u	3.6733		
Se 196.026	3.0892	3.2781	2.2685		
Sn 189.925	-1.4827u	2.1852	3.8852		
Sr 216.596	436.069	438.062	437.484		
Ti 334.941	0.1783	0.3075	0.3719		
Tl 190.794	-3.5988u	4.0675	5.9765		
V 292.401	7.0317	7.3088	8.0672		
Zn 206.200	147.209	150.069	148.401		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1331b	ppb	0.1781	133.8	-37.6066
Al 308.215	2.3786b	ppb	4.2463	178.5	8.7763
As 188.980	1.5393b	ppb	2.5983	168.8	-8.9390
B 249.678	147.391b	ppb	0.1306	0.1	1978.09
Ba 389.178	-0.6397b	ppb	0.1663	26.0	55.5385
Be 313.042	0.0467b	ppb	0.0747	160.2	-79.3841
Ca 370.602	27080b	ppb	22.68	0.1	70528
Cd 226.502	0.6365b	ppb	0.1217	19.1	52.1842
Co 228.615	-0.1477b	ppb	0.4534	307.0	-4.8546
Cr 267.716	1.1649b	ppb	0.2030	17.4	23.0256
Cu 324.754	59.3725b	ppb	0.4815	0.8	3208.02
Fe 271.441	17.4994b	ppb	3.6061	20.6	134.142
K 766.491	7122.55b	ppb	37.8304	0.5	208875
Mg 279.078	21819.4b	ppb	10.3820	0.0	42740.2
Mn 257.610	19.1703b	ppb	3.1953	16.7	4602.75
Mo 202.032	1.7825b	ppb	0.1651	9.3	27.5208
Na 330.237	164088xb	ppb	2385.78	1.5	6979.52
Ni 231.604	74.9287b	ppb	0.7252	1.0	183.983
Pb 220.353	0.3643b	ppb	2.7236	747.6	31.8946
Sb 206.834	1.3005b	ppb	2.2729	174.8	0.1025
Se 196.026	2.8786b	ppb	0.5367	18.6	12.7114
Sn 189.925	1.5293b	ppb	2.7434	179.4	-6.1852
Sr 216.596	437.205b	ppb	1.0251	0.2	4125.37
Ti 334.941	0.2859b	ppb	0.0986	34.5	138.056
Tl 190.794	2.1484b	ppb	5.0679	235.9	-10.7721
V 292.401	7.4693b	ppb	0.5361	7.2	190.751
Zn 206.200	148.560b	ppb	1.4367	2321.0f	3231.00

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)		4/19/2013, 7:25:19 PM		Rack 2, Tube 13		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	473.586	475.254	480.527			
Al 308.215	4792.90	4811.54	4856.78			
As 188.980	444.614	453.174	452.934			
B 249.678	489.473	490.465	495.291			
Ba 389.178	5022.54	5020.92	5052.00			
Be 313.042	504.342	505.105	506.513			
Ca 370.602	4888	4933	4982			
Cd 226.502	510.943	511.642	514.040			
Co 228.615	511.377	509.757	512.062			
Cr 267.716	5045.72	5065.00	5100.88			
Cu 324.754	4936.41	5042.69	4903.14			
Fe 271.441	4815.70	4826.02	4853.61			
K 766.491	9812.12	9801.02	9866.95			
Mg 279.078	4834.10	4839.57	4884.59			
Mn 257.610	5118.45	5107.67	5122.92			
Mo 202.032	492.028	492.411	496.447			
Na 330.237	8371.24	9699.93	10749.2			
Ni 231.604	2584.60	2585.30	2595.35			
Pb 220.353	489.250	491.812	495.481			
Sb 206.834	922.344	916.775	928.699			
Se 196.026	4839.78	4854.86	4874.43			
Sn 189.925	4873.28	4931.09	4981.06			
Sr 216.596	2494.42	2499.60	2513.96			
Ti 334.941	483.678	484.666	488.465			
Tl 190.794	4977.71	4961.45	4984.87			
V 292.401	4881.62	4872.11	4897.60			
Zn 206.200	2527.05	2532.14	2549.26			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	476.456	ppb	3.6232	0.8	34555.1	95.29118
Al 308.215	4820.41	ppb	32.8505	0.7	10172.6	96.40814
As 188.980	450.241	ppb	4.8744	1.1	268.744	90.04814
B 249.678	491.743	ppb	3.1125	0.6	5974.22	19.66971Q
Ba 389.178	5031.82	ppb	17.4982	0.3	100987	100.63643
Be 313.042	505.320	ppb	1.1014	0.2	848813	101.06403
Ca 370.602	4935	ppb	47.19	1.0	12814	98.69009
Cd 226.502	512.208	ppb	1.6241	0.3	16856.3	102.44169
Co 228.615	511.065	ppb	1.1834	0.2	4815.67	102.21306
Cr 267.716	5070.53	ppb	27.9965	0.6	155194	101.41068
Cu 324.754	4960.75	ppb	72.8897	1.5	250295	99.21491
Fe 271.441	4831.78	ppb	19.5979	0.4	7876.35	96.63554
K 766.491	9826.70	ppb	35.2984	0.4	288083	98.26698
Mg 279.078	4852.75	ppb	27.7059	0.6	9495.12	97.05508
Mn 257.610	5116.35	ppb	7.8398	0.2	1145755	102.32693
Mo 202.032	493.629	ppb	2.4481	0.5	3375.05	98.72572
Na 330.237	9606.77	ppb	1191.69	12.4	441.044	128.09033Q
Ni 231.604	2588.42	ppb	6.0148	0.2	6443.76	103.53679
Pb 220.353	492.181	ppb	3.1314	0.6	850.529	98.43619
Sb 206.834	922.606	ppb	5.9661	0.6	938.074	92.26060
Se 196.026	4856.36	ppb	17.3709	0.4	2252.38	97.12713
Sn 189.925	4928.48	ppb	53.9404	1.1	3463.17	98.56955
Sr 216.596	2502.66	ppb	10.1203	0.4	23419.3	100.10648
Ti 334.941	485.603	ppb	2.5272	0.5	116424	97.12061
Tl 190.794	4974.68	ppb	11.9976	0.2	4487.77	99.49354
V 292.401	4883.78	ppb	12.8814	0.3	122635	97.67557
Zn 206.200	2536.15	ppb	11.6339	0.5	3206.26	101.44591

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/19/2013, 7:30:54 PM		Rack 2, Tube 14		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.0479u	-0.4703u	-0.0038u			
Al 308.215	-11.6315u	-15.2209u	-15.0637u			
As 188.980	2.0117	7.0523	0.3900			
B 249.678	6.1564	4.6710	4.3836			
Ba 389.178	-0.2763u	-0.0279u	0.5594			
Be 313.042	0.0302	0.0744	0.1151			
Ca 370.602	-18.72u	-21.19u	-18.25u			
Cd 226.502	0.1681	-0.1105u	0.1186			
Co 228.615	-0.3766u	0.2628	-0.4359u			
Cr 267.716	0.8182	1.2425	1.6058			
Cu 324.754	0.0223	0.7236	0.5997			
Fe 271.441	-6.9225u	-6.1503u	-3.9636u			
K 766.491	4.8852	4.9598	4.3844			
Mg 279.078	-25.9870u	-22.4743u	-25.1123u			
Mn 257.610	1.0519	1.5841	1.9601			
Mo 202.032	0.3614	0.7941	0.7330			
Na 330.237	168.890	230.665	408.887			
Ni 231.604	-0.8990u	0.7191	-0.0323u			
Pb 220.353	-0.3656u	-0.0241u	-3.3431u			
Sb 206.834	-1.3553u	2.4013	0.3005			
Se 196.026	-0.4557u	3.0498	2.0069			
Sn 189.925	3.0908	0.9738	2.9297			
Sr 216.596	0.0685	0.6399	0.1260			
Ti 334.941	0.0154	0.0521	0.1322			
Tl 190.794	2.2160	1.8763	2.1447			
V 292.401	0.8047	1.1798	1.5433			
Zn 206.200	-0.3994u	-0.7161u	1.2314			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1740	ppb	0.2575	148.0	-21.1680	-0.17402
Al 308.215	-13.9720	ppb	2.0285	14.5	-25.7603	-13.97204
As 188.980	3.1513	ppb	3.4743	110.2	-8.1707	3.15131
B 249.678	5.0703	ppb	0.9514	18.8	324.158	5.07033
Ba 389.178	0.0851	ppb	0.4291	504.4	20.3363	0.08507
Be 313.042	0.0732	ppb	0.0425	58.0	-26.2253	0.07321
Ca 370.602	-19.39	ppb	1.580	8.2	22.96	-19.38914
Cd 226.502	0.0587	ppb	0.1486	253.0	33.6713	0.05874
Co 228.615	-0.1832	ppb	0.3874	211.5	-5.1715	-0.18323
Cr 267.716	1.2222	ppb	0.3942	32.3	23.0526	1.22215
Cu 324.754	0.4485	ppb	0.3743	83.4	237.174	0.44855
Fe 271.441	-5.6788	ppb	1.5348	27.0	97.3563	-5.67875
K 766.491	4.7431	ppb	0.3129	6.6	384.889	4.74314
Mg 279.078	-24.5246	ppb	1.8286	7.5	36.8616	-24.52456
Mn 257.610	1.5320	ppb	0.4563	29.8	530.159	1.53202
Mo 202.032	0.6295	ppb	0.2342	37.2	19.6646	0.62952
Na 330.237	269.480	ppb	124.618	46.2	66.7379	269.48050
Ni 231.604	-0.0707	ppb	0.8097	1144.9	-2.7984	-0.07073
Pb 220.353	-1.2443	ppb	1.8256	146.7	29.2153	-1.24425
Sb 206.834	0.4488	ppb	1.8827	419.4	-0.7058	0.44884
Se 196.026	1.5337	ppb	1.8000	117.4	12.0870	1.53365
Sn 189.925	2.3314	ppb	1.1785	50.5	-5.6755	2.33145
Sr 216.596	0.2781	ppb	0.3146	113.1	31.5036	0.27810
Ti 334.941	0.0666	ppb	0.0597	89.7	10.6758	0.06658
Tl 190.794	2.0790	ppb	0.1791	8.6	-10.8122	2.07898
V 292.401	1.1759	ppb	0.3693	31.4	33.3141	1.17590
Zn 206.200	0.0387	ppb	1.0450	2303.0	325	0.7690

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89421-c-10-c (Samp)

4/19/2013, 7:36:29 PM

Rack 2, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	-0.6170u	-0.4181u	-0.5192u			
Al 308.215	-15.1572u	-13.5302u	-16.2246u			
As 188.980	0.5652	3.7750	-1.0515u			
B 249.678	-4.1354u	-4.2389u	-4.8011u			
Ba 389.178	-2.5610u	-2.7980u	-1.7872u			
Be 313.042	-0.0812u	-0.0882u	-0.0863u			
Ca 370.602	0.2855	-0.4094u	3.005			
Cd 226.502	-0.3718u	-0.1121u	0.0712			
Co 228.615	-0.1843u	-0.1829u	0.2978			
Cr 267.716	0.1105	-0.1816u	0.0788			
Cu 324.754	-0.4535u	-0.8094u	-0.2718u			
Fe 271.441	-6.7571u	-11.6176u	-13.7356u			
K 766.491	2.2685	1.7695	2.4416			
Mg 279.078	-28.0992u	-28.9292u	-22.7590u			
Mn 257.610	-0.3857u	-0.4139u	-0.3506u			
Mo 202.032	0.1352	0.2676	0.4629			
Na 330.237	192.136	-42.9411u	339.774			
Ni 231.604	-0.3338u	-1.9757u	-2.0771u			
Pb 220.353	-2.7493u	-1.7424u	-0.2380u			
Sb 206.834	2.3254	1.4265	-0.6675u			
Se 196.026	-0.6868u	-5.2947u	0.8013			
Sn 189.925	-0.0125u	-4.4141u	-3.5627u			
Sr 216.596	-0.5193u	-0.6533u	-0.5640u			
Ti 334.941	-0.1477u	-0.1627u	-0.1392u			
Tl 190.794	-1.6357u	-0.1522u	1.3426			
V 292.401	-0.6966u	-0.5564u	-0.4415u			
Zn 206.200	-0.2083u	-0.6886u	-1.1812u			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5181	ppb	0.0995	19.2	-46.1541
Al 308.215	-14.9707	ppb	1.3568	9.1	-27.8839
As 188.980	1.0962	ppb	2.4567	224.1	-9.4439
B 249.678	-4.3918	ppb	0.3582	8.2	214.200
Ba 389.178	-2.3821	ppb	0.5286	22.2	-29.1688
Be 313.042	-0.0852	ppb	0.0036	4.2	-292.267
Ca 370.602	0.9605	ppb	1.805	187.9	76.07
Cd 226.502	-0.1376	ppb	0.2226	161.8	27.2194
Co 228.615	-0.0231	ppb	0.2780	1201.2	-3.6563
Cr 267.716	0.0026	ppb	0.1603	6284.2	-14.2787
Cu 324.754	-0.5115	ppb	0.2735	53.5	188.769
Fe 271.441	-10.7034	ppb	3.5780	33.4	89.4034
K 766.491	2.1599	ppb	0.3490	16.2	309.221
Mg 279.078	-26.5958	ppb	3.3486	12.6	32.8405
Mn 257.610	-0.3834	ppb	0.0317	8.3	101.283
Mo 202.032	0.2886	ppb	0.1648	57.1	17.3415
Na 330.237	162.990	ppb	193.015	118.4	62.2507
Ni 231.604	-1.4622	ppb	0.9785	66.9	-6.2639
Pb 220.353	-1.5766	ppb	1.2639	80.2	28.6625
Sb 206.834	1.0282	ppb	1.5357	149.4	-0.1525
Se 196.026	-1.7267	ppb	3.1783	184.1	10.5828
Sn 189.925	-2.6631	ppb	2.3346	87.7	-9.1925
Sr 216.596	-0.5789	ppb	0.0682	11.8	23.5209
Ti 334.941	-0.1499	ppb	0.0119	7.9	-41.2122
Tl 190.794	-0.1484	ppb	1.4892	1003.4	-12.8272
V 292.401	-0.5648	ppb	0.1277	22.6	-10.3547
Zn 206.200	-0.6927	ppb	0.4864	70.2	325

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89358-b-1-a (Samp)		4/19/2013, 7:42:04 PM		Rack 2, Tube 16	
Label	Replicates	Concentration			
Ag 328.068	-0.1539u	-0.5106u	-0.1034u		
Al 308.215	-5.7058u	-0.2073u	-6.7369u		
As 188.980	-4.2319u	-0.8119u	1.7794		
B 249.678	-5.6335u	-6.2948u	-6.4803u		
Ba 389.178	43.6499	43.8363	43.1146		
Be 313.042	-0.1050u	-0.0945u	-0.0911u		
Ca 370.602	28906	28930	28897		
Cd 226.502	-0.0822u	-0.2331u	-0.1623u		
Co 228.615	0.4707	-0.0659u	-0.1198u		
Cr 267.716	0.2120	0.0612	0.2561		
Cu 324.754	25.9194	26.3408	26.0995		
Fe 271.441	0.7861	-4.4591u	2.8156		
K 766.491	1865.36	1868.04	1868.29		
Mg 279.078	11274.9	11277.0	11259.5		
Mn 257.610	25.7865	25.9426	25.9931		
Mo 202.032	0.1561	-0.2945u	-0.5440u		
Na 330.237	26620.2	26894.3	27164.3		
Ni 231.604	3.2570	2.6350	4.4346		
Pb 220.353	5.2304	1.9606	3.7919		
Sb 206.834	1.2378	-4.3283u	-1.7040u		
Se 196.026	-5.0605u	-8.7214u	-0.6077u		
Sn 189.925	-2.6769u	-3.3734u	3.2866		
Sr 216.596	111.364	111.395	111.389		
Ti 334.941	-0.2604u	-0.2864u	-0.2335u		
Tl 190.794	0.1142	0.8762	-0.5570u		
V 292.401	-0.5233u	-0.4741u	-0.5858u		
Zn 206.200	19.8710	21.1055	20.7029		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2560	ppb	0.2220	86.7	-32.0534
Al 308.215	-4.2166	ppb	3.5103	83.2	-5.1969
As 188.980	-1.0881	ppb	3.0151	277.1	-10.5521
B 249.678	-6.1362	ppb	0.4452	7.3	193.921
Ba 389.178	43.5336	ppb	0.3747	0.9	917.638
Be 313.042	-0.0969	ppb	0.0073	7.5	-305.924
Ca 370.602	28911	ppb	17.14	0.1	75294
Cd 226.502	-0.1592	ppb	0.0755	47.4	26.5336
Co 228.615	0.0950	ppb	0.3265	343.7	-2.5330
Cr 267.716	0.1764	ppb	0.1022	57.9	-8.6006
Cu 324.754	26.1199	ppb	0.2114	0.8	1531.48
Fe 271.441	-0.2858	ppb	3.7539	1313.6	105.873
K 766.491	1867.23	ppb	1.6196	0.1	54939.6
Mg 279.078	11270.5	ppb	9.5964	0.1	22117.5
Mn 257.610	25.9074	ppb	0.1077	0.4	6051.92
Mo 202.032	-0.2275	ppb	0.3549	156.0	13.8192
Na 330.237	26892.9	ppb	272.037	1.0	1190.21
Ni 231.604	3.4422	ppb	0.9140	26.6	5.9503
Pb 220.353	3.6610	ppb	1.6389	44.8	37.3873
Sb 206.834	-1.5981	ppb	2.7846	174.2	-2.6877
Se 196.026	-4.7965	ppb	4.0633	84.7	9.1730
Sn 189.925	-0.9212	ppb	3.6607	397.4	-7.9482
Sr 216.596	111.383	ppb	0.0165	0.0	1074.74
Ti 334.941	-0.2601	ppb	0.0264	10.2	-25.4349
Tl 190.794	0.1445	ppb	0.7171	496.3	-12.5976
V 292.401	-0.5277	ppb	0.0560	10.6	-9.4173
Zn 206.200	20.5598	ppb	0.6295	3.1	26.8117

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89358-b-2-a (Samp)	4/19/2013, 7:47:38 PM	Rack 2, Tube 17			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.6104u	-0.6992u			
Al 308.215	-16.7873u	-14.6482u			
As 188.980	-2.5859u	-0.2281			
B 249.678	42.9533	42.8771			
Ba 389.178	46.2276	44.2986			
Be 313.042	-0.1041u	-0.1051u			
Ca 370.602	29597	29239			
Cd 226.502	-0.0929u	-0.3342u			
Co 228.615	-0.5065u	-0.4168u			
Cr 267.716	1.6675	1.8927			
Cu 324.754	-0.1693u	1.1018			
Fe 271.441	-8.4418u	-1.6593u			
K 766.491	1919.59	1899.77			
Mg 279.078	11637.8	11480.0			
Mn 257.610	9.3899	9.3388			
Mo 202.032	-0.4693u	0.3416			
Na 330.237	27643.9	27550.4			
Ni 231.604	-0.9624u	-1.4126u			
Pb 220.353	-1.6166u	1.0766			
Sb 206.834	-1.1109u	-6.8975u			
Se 196.026	-10.3127u	-5.8481u			
Sn 189.925	-2.1126u	-5.7432u			
Sr 216.596	113.231	111.011			
Ti 334.941	-0.3117u	-0.2403u			
Tl 190.794	-3.2314u	-0.9119u			
V 292.401	-0.5322u	-0.4571u			
Zn 206.200	30.2298	27.9610			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4526	ppb	0.3531	78.0	-46.4778
Al 308.215	-13.9594	ppb	3.2278	23.1	-25.7595
As 188.980	0.9996	ppb	4.3318	433.4	-9.2540
B 249.678	43.0455	ppb	0.2290	0.5	765.480
Ba 389.178	45.2725	ppb	0.9647	2.1	953.124
Be 313.042	-0.1054	ppb	0.0014	1.3	-320.137
Ca 370.602	29354	ppb	210.5	0.7	76448
Cd 226.502	-0.1899	ppb	0.1274	67.1	25.5137
Co 228.615	-0.4550	ppb	0.0463	10.2	-7.7103
Cr 267.716	1.7091	ppb	0.1667	9.8	38.2793
Cu 324.754	0.4585	ppb	0.6357	138.6	237.674
Fe 271.441	-5.7378	ppb	3.5941	62.6	97.2113
K 766.491	1906.60	ppb	11.2481	0.6	56092.9
Mg 279.078	11528.9	ppb	94.4983	0.8	22622.9
Mn 257.610	9.3804	ppb	0.0378	0.4	2353.10
Mo 202.032	-0.0903	ppb	0.4080	452.0	14.7556
Na 330.237	27537.8	ppb	112.889	0.4	1217.37
Ni 231.604	-0.6291	ppb	0.9931	157.9	-4.1889
Pb 220.353	-0.9373	ppb	1.7746	189.3	29.7291
Sb 206.834	-3.1628	ppb	3.2396	102.4	-4.1871
Se 196.026	-6.7747	ppb	3.1777	46.9	8.2569
Sn 189.925	-3.8647	ppb	1.8186	47.1	-10.0206
Sr 216.596	111.748	ppb	1.2845	1.1	1078.26
Ti 334.941	-0.2772	ppb	0.0357	12.9	-28.5501
Tl 190.794	-1.1426	ppb	1.9835	173.6	-13.7412
V 292.401	-0.4800	ppb	0.0453	9.4	-8.3408
Zn 206.200	29.6354	ppb	1.4702	2375.0	3253236

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89358-b-3-a (Samp)		4/19/2013, 7:53:13 PM		Rack 2, Tube 18		
Label	Replicates	Concentration		Dilution: 1		
Ag 328.068	-0.2085u	-0.3325u	0.2140			
Al 308.215	-10.5298u	-16.1547u	-12.8904u			
As 188.980	-3.0097u	-5.2109u	-1.1681u			
B 249.678	49.6096	48.5226	48.0429			
Ba 389.178	43.4028	44.0944	43.8208			
Be 313.042	-0.0910u	-0.0901u	-0.0811u			
Ca 370.602	30186	30209	30145			
Cd 226.502	-0.1366u	-0.2327u	-0.0511u			
Co 228.615	0.1497	-0.6664u	-0.3895u			
Cr 267.716	1.9763	2.2139	2.0775			
Cu 324.754	2.5725	2.8640	1.8318			
Fe 271.441	401.405	407.608	405.531			
K 766.491	1984.18	2013.66	1986.38			
Mg 279.078	11305.5	11293.4	11281.5			
Mn 257.610	15.6261	15.6534	15.9463			
Mo 202.032	-0.4908u	-0.5707u	0.0996			
Na 330.237	26792.9	27221.6	27372.6			
Ni 231.604	-0.3019u	-0.3508u	0.5506			
Pb 220.353	-0.4484u	-1.1652u	-0.6679u			
Sb 206.834	-0.2359u	-3.7066u	-0.7422u			
Se 196.026	3.1791	-0.2816u	3.5936			
Sn 189.925	-0.9745u	-1.7595u	-2.0882u			
Sr 216.596	117.249	117.257	117.568			
Ti 334.941	-0.3004u	-0.2444u	-0.2091u			
Tl 190.794	-3.0306u	-0.1316u	-4.3891u			
V 292.401	-0.4970u	-0.8847u	-0.6433u			
Zn 206.200	21.3005	23.4193	23.3377			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-0.1090	ppb	0.2865	262.9	-21.7180	
Al 308.215	-13.1916	ppb	2.8245	21.4	-24.1447	
As 188.980	-3.1296	ppb	2.0241	64.7	-11.8090	
B 249.678	48.7250	ppb	0.8027	1.6	831.006	
Ba 389.178	43.7727	ppb	0.3483	0.8	922.612	
Be 313.042	-0.0874	ppb	0.0055	6.3	-289.606	
Ca 370.602	30180	ppb	32.53	0.1	78569	
Cd 226.502	-0.1402	ppb	0.0909	64.8	28.0260	
Co 228.615	-0.3021	ppb	0.4150	137.4	-6.2775	
Cr 267.716	2.0893	ppb	0.1192	5.7	49.9928	
Cu 324.754	2.4228	ppb	0.5322	22.0	336.827	
Fe 271.441	404.848	ppb	3.1576	0.8	747.656	
K 766.491	1994.74	ppb	16.4232	0.8	58674.7	
Mg 279.078	11293.5	ppb	12.0007	0.1	22162.7	
Mn 257.610	15.7419	ppb	0.1775	1.1	3777.22	
Mo 202.032	-0.3206	ppb	0.3661	114.2	13.1647	
Na 330.237	27129.0	ppb	300.719	1.1	1200.06	
Ni 231.604	-0.0340	ppb	0.5069	1488.9	-2.6990	
Pb 220.353	-0.7605	ppb	0.3673	48.3	30.0249	
Sb 206.834	-1.5616	ppb	1.8748	120.1	-2.6228	
Se 196.026	2.1637	ppb	2.1278	98.3	12.3787	
Sn 189.925	-1.6074	ppb	0.5722	35.6	-8.4309	
Sr 216.596	117.358	ppb	0.1821	0.2	1131.04	
Ti 334.941	-0.2513	ppb	0.0460	18.3	-23.1621	
Tl 190.794	-2.5171	ppb	2.1747	86.4	-15.0134	
V 292.401	-0.6750	ppb	0.1958	29.0	-13.2477	
Zn 206.200	22.6858	ppb	1.2004	238.853	29.5041	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89424-a-1-a (Samp) **4/19/2013, 7:58:48 PM** **Rack 2, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration	
Ag 328.068	0.1356	0.2581	0.0985
Al 308.215	484.419	493.377	492.435
As 188.980	5.1625	3.5048	0.8433
B 249.678	976.700	993.450	998.726
Ba 389.178	62.9552	63.2648	63.1752
Be 313.042	-0.0968u	-0.1018u	-0.0902u
Ca 370.602	12446	12604	12618
Cd 226.502	4.8497	5.0999	4.9060
Co 228.615	2.5069u	3.6836	3.0871
Cr 267.716	3.3053	3.0738	3.1386
Cu 324.754	55.9128	56.6365	57.1823
Fe 271.441	1431.89	1456.47	1456.79
K 766.491	4461.22	4513.30	4533.41
Mg 279.078	1703.61	1732.01	1728.42
Mn 257.610	345.292	349.578	349.189
Mo 202.032	1050.58x	1067.80x	1066.09x
Na 330.237	-677714u	-675582u	-693519u
Ni 231.604	8.9115	9.7011	6.1706
Pb 220.353	45.1790	44.4204	43.6346
Sb 206.834	84.0802	73.4934	83.5622
Se 196.026	-11.5179u	6.0686	3.2167
Sn 189.925	12.8204	9.0275	1.4345
Sr 216.596	129.001	132.577	131.791
Ti 334.941	1.2935	1.3412	1.3137
Tl 190.794	3.7092	1.6412	0.5069u
V 292.401	0.9939u	1.1983u	1.0572u
Zn 206.200	576005x	581899x	583796x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1641b	ppb	0.0835	50.9	-0.8792
Al 308.215	490.077b	ppb	4.9225	1.0	1089.95
As 188.980	3.1702b	ppb	2.1790	68.7	-8.3489
B 249.678	989.625b	ppb	11.5004	1.2	11764.2
Ba 389.178	63.1317b	ppb	0.1593	0.3	1294.06
Be 313.042	-0.0963b	ppb	0.0058	6.0	-391.975
Ca 370.602	12556b	ppb	95.28	0.8	32653
Cd 226.502	4.9519b	ppb	0.1313	2.7	198.745
Co 228.615	3.0926b	ppb	0.5884	19.0	-3.2672
Cr 267.716	3.1726b	ppb	0.1195	3.8	74.5137
Cu 324.754	56.5772b	ppb	0.6368	1.1	3096.99
Fe 271.441	1448.38b	ppb	14.2852	1.0	2401.94
K 766.491	4502.64b	ppb	37.2552	0.8	132134
Mg 279.078	1721.35b	ppb	15.4682	0.9	3444.90
Mn 257.610	348.020b	ppb	2.3705	0.7	78122.6
Mo 202.032	1061.49xb	ppb	9.4899	0.9	7259.02
Na 330.237	-682272b	ppb	9798.78	1.4	-32291.3
Ni 231.604	8.2610b	ppb	1.8529	22.4	18.5034
Pb 220.353	44.4113b	ppb	0.7722	1.7	103.871
Sb 206.834	80.3786b	ppb	5.9684	7.4	62.7338
Se 196.026	-0.7442b	ppb	9.4387	1268.3	11.1084
Sn 189.925	7.7608b	ppb	5.7977	74.7	-1.9283
Sr 216.596	131.123b	ppb	1.8791	1.4	1225.26
Ti 334.941	1.3161b	ppb	0.0239	1.8	335.008
Tl 190.794	1.9524b	ppb	1.6237	83.2	-11.8733
V 292.401	1.0831b	ppb	0.1046	9.7	-157.373
Zn 206.200	580567xb	ppb	4063.08	2390.6f	3256692

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89452-e-1-a (Samp) **4/19/2013, 8:04:23 PM** **Rack 2, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	-0.6324u	-0.4299u	-0.4748u			
Al 308.215	257.316	261.217	260.092			
As 188.980	-5.0197u	-0.2645	4.9884			
B 249.678	129.577	129.527	129.370			
Ba 389.178	13.0956	13.7037	12.7310			
Be 313.042	-0.0927u	-0.0948u	-0.0836u			
Ca 370.602	108662	108942	108587			
Cd 226.502	0.0227	-0.1999u	0.0735			
Co 228.615	1.9221	0.6897	1.2501			
Cr 267.716	-0.0072	0.0717	0.3975			
Cu 324.754	-0.3649u	-0.2910u	-0.3248u			
Fe 271.441	577.369	578.121	575.650			
K 766.491	4182.67	4197.96	4196.49			
Mg 279.078	36932.8	36909.0	36884.1			
Mn 257.610	725.932	727.273	725.503			
Mo 202.032	0.9849	0.7858	0.8799			
Na 330.237	133252x	132664x	133134x			
Ni 231.604	4.8151	3.7997	4.1571			
Pb 220.353	-0.3412u	1.3484	-0.9562u			
Sb 206.834	-3.7136u	-7.8886u	-4.7694u			
Se 196.026	-6.0833u	-3.8710u	-4.0619u			
Sn 189.925	-2.8417u	-4.9801u	-4.1591u			
Sr 216.596	210.939	209.835	209.207			
Ti 334.941	-0.5094	-0.4655	-0.5350			
Tl 190.794	-2.2958u	-0.2173u	1.5225			
V 292.401	-0.6235u	-0.8990u	-0.4906u			
Zn 206.200	1233.37	1687.26	1956.91			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5124b	ppb	0.1063	20.8	-52.4387
Al 308.215	259.542b	ppb	2.0081	0.8	551.712
As 188.980	-0.0986b	ppb	5.0061	5076.8	-9.2657
B 249.678	129.491b	ppb	0.1079	0.1	1769.42
Ba 389.178	13.1768b	ppb	0.4914	3.7	367.157
Be 313.042	-0.0904b	ppb	0.0059	6.6	-281.480
Ca 370.602	108730b	ppb	187.0	0.2	282945
Cd 226.502	-0.0346b	ppb	0.1454	420.6	31.6622
Co 228.615	1.2873b	ppb	0.6171	47.9	8.6486
Cr 267.716	0.1540b	ppb	0.2145	139.3	-6.1714
Cu 324.754	-0.3269b	ppb	0.0370	11.3	198.277
Fe 271.441	577.046b	ppb	1.2667	0.2	1020.67
K 766.491	4192.38b	ppb	8.4339	0.2	123046
Mg 279.078	36908.7b	ppb	24.3613	0.1	72228.2
Mn 257.610	726.236b	ppb	0.9233	0.1	163000
Mo 202.032	0.8835b	ppb	0.0996	11.3	21.3737
Na 330.237	133017xb	ppb	310.912	0.2	5659.04
Ni 231.604	4.2573b	ppb	0.5151	12.1	7.9932
Pb 220.353	0.0170b	ppb	1.1933	7025.8	31.4662
Sb 206.834	-5.4572b	ppb	2.1708	39.8	-6.4246
Se 196.026	-4.6720b	ppb	1.2259	26.2	9.3889
Sn 189.925	-3.9936b	ppb	1.0787	27.0	-10.0537
Sr 216.596	209.994b	ppb	0.8766	0.4	2005.67
Ti 334.941	-0.5033b	ppb	0.0351	7.0	9.4388
Tl 190.794	-0.3302b	ppb	1.9117	578.9	-13.9846
V 292.401	-0.6710b	ppb	0.2083	31.0	-13.6665
Zn 206.200	1625.84b	ppb	365.658	242.5	2063.78

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89467-a-1-a (Samp)		4/19/2013, 8:09:59 PM		Rack 2, Tube 21	
Label	Replicates	Concentration			
Ag 328.068	-0.4143u	-0.5400u	-0.4030u		
Al 308.215	5859.14	5881.66	5849.54		
As 188.980	-5.6758u	3.0245	3.3101		
B 249.678	1466.47	1476.40	1482.73		
Ba 389.178	6.3385	6.1984	6.8656		
Be 313.042	-0.0784u	-0.0888u	-0.0619u		
Ca 370.602	17258	17279	17241		
Cd 226.502	0.5080	0.5101	0.1611		
Co 228.615	-0.5662u	-0.3859u	0.0093		
Cr 267.716	126.409	126.690	126.704		
Cu 324.754	1.2693	1.5646	1.4562		
Fe 271.441	36.0833	37.9398	35.4452		
K 766.491	4973.64	4979.11	4987.77		
Mg 279.078	3504.27	3503.42	3506.73		
Mn 257.610	346.135	346.368	346.315		
Mo 202.032	2.0174	2.3167	1.3192		
Na 330.237	518224x	517349x	516819x		
Ni 231.604	4.2057	5.1787	5.1614		
Pb 220.353	-1.6734u	-2.4463u	-2.9387u		
Sb 206.834	-0.1444	4.8499	8.6683		
Se 196.026	6.4625	3.4729	15.5361		
Sn 189.925	-3.6961u	-1.6640u	-1.3474u		
Sr 216.596	2343.99	2349.76	2340.39		
Ti 334.941	-0.0843u	-0.1153u	0.0251u		
Tl 190.794	-6.0270u	-0.3432u	-5.9495u		
V 292.401	-0.0595u	0.0637u	0.4511		
Zn 206.200	33.8936	30.2366	146.495		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4524b	ppb	0.0761	16.8	-142.008
Al 308.215	5863.45b	ppb	16.4905	0.3	12382.8
As 188.980	0.2196b	ppb	5.1076	2325.8	-9.8417
B 249.678	1475.20b	ppb	8.1953	0.6	17408.9
Ba 389.178	6.4675b	ppb	0.3518	5.4	156.410
Be 313.042	-0.0764b	ppb	0.0136	17.8	-321.580
Ca 370.602	17260b	ppb	18.81	0.1	44984
Cd 226.502	0.3931b	ppb	0.2009	51.1	42.4321
Co 228.615	-0.3142b	ppb	0.2943	93.7	-6.1117
Cr 267.716	126.601b	ppb	0.1664	0.1	3867.74
Cu 324.754	1.4300b	ppb	0.1493	10.4	286.724
Fe 271.441	36.4894b	ppb	1.2959	3.6	164.374
K 766.491	4980.17b	ppb	7.1254	0.1	146122
Mg 279.078	3504.81b	ppb	1.7194	0.0	6929.86
Mn 257.610	346.273b	ppb	0.1219	0.0	77733.8
Mo 202.032	1.8844b	ppb	0.5119	27.2	28.2288
Na 330.237	517464xb	ppb	709.924	0.1	21893.6
Ni 231.604	4.8486b	ppb	0.5568	11.5	9.4556
Pb 220.353	-2.3528b	ppb	0.6378	27.1	27.3432
Sb 206.834	4.4580b	ppb	4.4194	99.1	4.3424
Se 196.026	8.4905b	ppb	6.2821	74.0	15.3749
Sn 189.925	-2.2358b	ppb	1.2745	57.0	-8.7419
Sr 216.596	2344.71b	ppb	4.7287	0.2	21992.6
Ti 334.941	-0.0582b	ppb	0.0738	126.9	-37.1356
Tl 190.794	-4.1066b	ppb	3.2594	79.4	-16.8750
V 292.401	0.1518b	ppb	0.2665	175.6	-3.2573
Zn 206.200	70.2084b	ppb	66.0913	244.0f	325

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89467-a-2-a (Samp)	4/19/2013, 8:15:34 PM	Rack 2, Tube 22			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.4215u	-0.5523u			
Al 308.215	6415.15	6391.35			
As 188.980	2.2758	-2.7592u			
B 249.678	1524.11	1525.77			
Ba 389.178	6.9965	8.5616			
Be 313.042	-0.0758u	-0.0776u			
Ca 370.602	17196	17126			
Cd 226.502	4.1376	4.1067			
Co 228.615	-0.1582u	0.2043			
Cr 267.716	484.676	482.064			
Cu 324.754	0.1918	0.4759			
Fe 271.441	121.189	117.911			
K 766.491	4933.42	4920.58			
Mg 279.078	3562.27	3547.50			
Mn 257.610	360.207	359.315			
Mo 202.032	1.3699	2.2560			
Na 330.237	534387x	532812x			
Ni 231.604	4.4873	7.1919			
Pb 220.353	0.7435	0.6635			
Sb 206.834	-2.1338	-0.2805			
Se 196.026	17.9713	18.3337			
Sn 189.925	-3.1362u	-4.4375u			
Sr 216.596	2362.53	2350.16			
Ti 334.941	0.2035	0.2489			
Tl 190.794	-7.1672u	-0.2553u			
V 292.401	0.2946u	0.3287u			
Zn 206.200	63.6371	66.2337			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5119b	ppb	0.0784	15.3	-147.210
Al 308.215	6407.81b	ppb	14.2847	0.2	13532.0
As 188.980	-0.3011b	ppb	2.5196	836.7	-10.1655
B 249.678	1529.60b	ppb	8.1179	0.5	18041.0
Ba 389.178	8.0340b	ppb	0.8986	11.2	187.958
Be 313.042	-0.0803b	ppb	0.0063	7.9	-329.725
Ca 370.602	17179b	ppb	46.04	0.3	44769
Cd 226.502	4.1411b	ppb	0.0362	0.9	165.569
Co 228.615	0.0361b	ppb	0.1827	505.3	-1.8509
Cr 267.716	483.741b	ppb	1.4557	0.3	14801.2
Cu 324.754	0.3699b	ppb	0.1552	41.9	233.294
Fe 271.441	120.007b	ppb	1.8202	1.5	297.375
K 766.491	4938.18b	ppb	20.3962	0.4	144892
Mg 279.078	3556.40b	ppb	7.8341	0.2	7030.38
Mn 257.610	360.102b	ppb	0.7410	0.2	80830.6
Mo 202.032	1.7231b	ppb	0.4695	27.3	27.1252
Na 330.237	534244xb	ppb	1366.23	0.3	22601.8
Ni 231.604	5.7394b	ppb	1.3634	23.8	11.6764
Pb 220.353	1.2935b	ppb	1.0227	79.1	33.4066
Sb 206.834	-0.0917b	ppb	2.1427	2336.1	3.3542
Se 196.026	15.1847b	ppb	5.1436	33.9	18.4651
Sn 189.925	-4.8734b	ppb	1.9912	40.9	-10.5945
Sr 216.596	2356.15b	ppb	6.1949	0.3	22099.8
Ti 334.941	0.1893b	ppb	0.0678	35.8	21.3720
Tl 190.794	-3.8531b	ppb	3.4647	89.9	-16.6677
V 292.401	0.2554b	ppb	0.0989	38.7	-20.9616
Zn 206.200	65.2171b	ppb	1.3870	242.1	82.2696

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89467-a-3-a (Samp)		4/19/2013, 8:21:21 PM		Rack 2, Tube 23	
Label	Replicates	Concentration			
Ag 328.068	-0.6447u	-0.5918u	-0.4889u		
Al 308.215	3220.50	3227.57	3226.31		
As 188.980	0.6533	1.1892	3.5687		
B 249.678	1859.33	1867.80	1883.15		
Ba 389.178	6.6696	5.4536	6.2475		
Be 313.042	-0.0735u	-0.0898u	-0.0877u		
Ca 370.602	17424	17456	17529		
Cd 226.502	0.4435	0.7908	0.7253		
Co 228.615	-0.7647u	-0.5523u	-0.3720u		
Cr 267.716	83.2830	83.7810	83.8525		
Cu 324.754	-0.1833u	0.0573	-0.2652u		
Fe 271.441	55.6971	61.4065	58.4471		
K 766.491	5436.81	5457.25	5485.13		
Mg 279.078	3289.77	3301.23	3322.16		
Mn 257.610	333.359	334.239	335.555		
Mo 202.032	2.0895	1.6386	2.0602		
Na 330.237	631547x	638213x	642307x		
Ni 231.604	3.8935	5.9418	5.5523		
Pb 220.353	2.2338	0.6980	0.7125		
Sb 206.834	1.6600	-0.8760u	-3.7691u		
Se 196.026	9.8274	8.8792	10.9210		
Sn 189.925	2.2045	-3.7363u	0.6302		
Sr 216.596	2413.36	2415.77	2424.25		
Ti 334.941	-0.0854u	-0.1080u	-0.1221u		
Tl 190.794	-8.0310u	-3.1771u	-2.0247u		
V 292.401	-0.1223u	-0.2831u	-0.1870u		
Zn 206.200	28.2771	28.3752	27.6153		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5751b	ppb	0.0792	13.8	-154.734
Al 308.215	3224.80b	ppb	3.7723	0.1	6812.04
As 188.980	1.8037b	ppb	1.5518	86.0	-8.8582
B 249.678	1870.09b	ppb	12.0763	0.6	21998.0
Ba 389.178	6.1236b	ppb	0.6174	10.1	149.065
Be 313.042	-0.0837b	ppb	0.0088	10.6	-345.431
Ca 370.602	17470b	ppb	54.19	0.3	45529
Cd 226.502	0.6532b	ppb	0.1845	28.2	50.4713
Co 228.615	-0.5630b	ppb	0.1966	34.9	-8.5693
Cr 267.716	83.6388b	ppb	0.3102	0.4	2553.73
Cu 324.754	-0.1304b	ppb	0.1676	128.6	208.059
Fe 271.441	58.5169b	ppb	2.8553	4.9	199.231
K 766.491	5459.73b	ppb	24.2558	0.4	160169
Mg 279.078	3304.39b	ppb	16.4276	0.5	6538.90
Mn 257.610	334.384b	ppb	1.1049	0.3	75070.4
Mo 202.032	1.9294b	ppb	0.2523	13.1	28.5353
Na 330.237	637356xb	ppb	5430.77	0.9	26953.7
Ni 231.604	5.1292b	ppb	1.0877	21.2	10.1541
Pb 220.353	1.2147b	ppb	0.8825	72.6	33.3236
Sb 206.834	-0.9950b	ppb	2.7165	273.0	-1.3377
Se 196.026	9.8759b	ppb	1.0218	10.3	16.0110
Sn 189.925	-0.3005b	ppb	3.0778	1024.2	-7.3458
Sr 216.596	2417.79b	ppb	5.7194	0.2	22677.2
Ti 334.941	-0.1052b	ppb	0.0185	17.6	-56.6435
Tl 190.794	-4.4110b	ppb	3.1876	72.3	-17.1359
V 292.401	-0.1975b	ppb	0.0809	41.0	-10.4476
Zn 206.200	28.0892b	ppb	0.4133	2431.5f	3251570

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89470-b-1-a (Samp)		4/19/2013, 8:26:58 PM		Rack 2, Tube 24	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.7119u	-0.3983u	-0.4963u		
Al 308.215	684.616	687.059	681.828		
As 188.980	3.8221	6.0411	7.1589		
B 249.678	100.542	97.2806	95.9705		
Ba 389.178	10.9822	10.5968	11.5305		
Be 313.042	-0.1110u	-0.1176u	-0.1144u		
Ca 370.602	59615	59622	59464		
Cd 226.502	-0.2317u	-0.0790u	-0.0263		
Co 228.615	0.1008u	-0.0156u	0.3114u		
Cr 267.716	0.7962	0.8441	0.5816		
Cu 324.754	17.6386	18.0139	17.9223		
Fe 271.441	628.281	623.939	626.191		
K 766.491	2390.86	2395.34	2398.02		
Mg 279.078	25585.6	25604.1	25610.9		
Mn 257.610	53.3967	53.3750	53.3299		
Mo 202.032	182.541	183.439	183.145		
Na 330.237	20205.4	19858.1	19897.6		
Ni 231.604	69.7812	70.3682	68.8075		
Pb 220.353	-4.4801u	-1.3571u	2.0505		
Sb 206.834	-3.7272u	0.6787u	6.2396		
Se 196.026	-6.9177u	-7.7210u	3.0148		
Sn 189.925	-1.5653u	-0.9522u	4.3003		
Sr 216.596	81.1350	80.9955	81.4090		
Ti 334.941	-0.4135u	-0.4409u	-0.4042		
Tl 190.794	0.1668u	0.8946	-3.4911u		
V 292.401	-0.0211u	-0.4896u	-0.6331u		
Zn 206.200	21.2303	24.4527	23.2443		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5355	ppb	0.1604	30.0	-51.2426
Al 308.215	684.501	ppb	2.6173	0.4	1457.76
As 188.980	5.6741	ppb	1.6984	29.9	-6.1531
B 249.678	97.9312	ppb	2.3544	2.4	1402.59
Ba 389.178	11.0365	ppb	0.4692	4.3	299.242
Be 313.042	-0.1144	ppb	0.0033	2.9	-350.725
Ca 370.602	59567	ppb	89.43	0.2	155014
Cd 226.502	-0.1123	ppb	0.1067	95.0	29.6031
Co 228.615	0.1322	ppb	0.1658	125.4	-7.2063
Cr 267.716	0.7406	ppb	0.1398	18.9	8.7799
Cu 324.754	17.8582	ppb	0.1957	1.1	1120.23
Fe 271.441	626.137	ppb	2.1713	0.3	1098.41
K 766.491	2394.74	ppb	3.6164	0.2	70391.1
Mg 279.078	25600.2	ppb	13.1264	0.1	50130.8
Mn 257.610	53.3672	ppb	0.0341	0.1	12283.3
Mo 202.032	183.042	ppb	0.4581	0.3	1264.44
Na 330.237	19987.0	ppb	190.113	1.0	898.590
Ni 231.604	69.6523	ppb	0.7883	1.1	170.855
Pb 220.353	-1.2622	ppb	3.2663	258.8	28.9417
Sb 206.834	1.0637	ppb	4.9945	469.5	-2.5063
Se 196.026	-3.8746	ppb	5.9799	154.3	9.6012
Sn 189.925	0.5943	ppb	3.2241	542.5	-6.8719
Sr 216.596	81.1798	ppb	0.2104	0.3	788.079
Ti 334.941	-0.4195	ppb	0.0191	4.5	-7.5215
Tl 190.794	-0.8099	ppb	2.3503	290.2	-13.6003
V 292.401	-0.3813	ppb	0.3200	83.9	-38.5110
Zn 206.200	22.9758	ppb	1.6279	7.1	29.8757

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)		4/19/2013, 8:32:34 PM		Rack 2, Tube 25		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	473.757	471.461	471.583			
Al 308.215	4775.55	4771.55	4747.39			
As 188.980	460.114	463.653	454.088			
B 249.678	497.313	497.047	499.849			
Ba 389.178	5030.76	5011.20	5024.15			
Be 313.042	504.446	502.913	505.171			
Ca 370.602	4867	4865	4883			
Cd 226.502	507.758	505.271	507.964			
Co 228.615	512.003	509.668	509.935			
Cr 267.716	5042.58	5029.09	5021.11			
Cu 324.754	4964.95	5026.38	5015.81			
Fe 271.441	4815.64	4816.74	4800.92			
K 766.491	9833.93	9816.49	9857.97			
Mg 279.078	4816.56	4796.74	4819.81			
Mn 257.610	5109.70	5077.34	5091.92			
Mo 202.032	487.272	488.004	488.710			
Na 330.237	6892.03	7324.42	7408.90			
Ni 231.604	2564.76	2564.67	2559.46			
Pb 220.353	489.096	482.501	487.677			
Sb 206.834	914.065	915.746	912.698			
Se 196.026	4856.56	4841.53	4861.54			
Sn 189.925	4890.91	4824.37	4867.44			
Sr 216.596	2483.81	2470.19	2471.34			
Ti 334.941	483.430	482.449	483.539			
Tl 190.794	4965.49	4950.26	4982.47			
V 292.401	4871.34	4864.77	4872.05			
Zn 206.200	2527.75	2518.10	2518.99			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	472.267	ppb	1.2917	0.3	34251.1	94.45339
Al 308.215	4764.83	ppb	15.2364	0.3	10055.1	95.29664
As 188.980	459.285	ppb	4.8358	1.1	274.350	91.85698
B 249.678	498.070	ppb	1.5470	0.3	6047.77	19.92278Q
Ba 389.178	5022.04	ppb	9.9481	0.2	100790	100.44070
Be 313.042	504.176	ppb	1.1529	0.2	846892	100.83528
Ca 370.602	4872	ppb	9.874	0.2	12651	97.43069
Cd 226.502	506.998	ppb	1.4989	0.3	16685.2	101.39957
Co 228.615	510.535	ppb	1.2783	0.3	4810.74	102.10709
Cr 267.716	5030.93	ppb	10.8492	0.2	153982	100.61851
Cu 324.754	5002.38	ppb	32.8452	0.7	252394	100.04765
Fe 271.441	4811.10	ppb	8.8329	0.2	7843.04	96.22202
K 766.491	9836.13	ppb	20.8283	0.2	288359	98.36129
Mg 279.078	4811.04	ppb	12.4883	0.3	9413.92	96.22071
Mn 257.610	5092.99	ppb	16.2091	0.3	1140524	101.85973
Mo 202.032	487.995	ppb	0.7191	0.1	3336.63	97.59901
Na 330.237	7208.45	ppb	277.265	3.8	339.929	96.11272
Ni 231.604	2562.97	ppb	3.0346	0.1	6380.36	102.51862
Pb 220.353	486.425	ppb	3.4716	0.7	840.948	97.28493
Sb 206.834	914.170	ppb	1.5268	0.2	929.720	91.41698
Se 196.026	4853.21	ppb	10.4214	0.2	2250.92	97.06421
Sn 189.925	4860.90	ppb	33.7454	0.7	3415.59	97.21809
Sr 216.596	2475.11	ppb	7.5544	0.3	23161.8	99.00453
Ti 334.941	483.140	ppb	0.6002	0.1	115834	96.62791
Tl 190.794	4966.08	ppb	16.1097	0.3	4480.01	99.32150
V 292.401	4869.39	ppb	4.0157	0.1	122275	97.38773
Zn 206.200	2521.61	ppb	5.3357	0.2	3187.88	100.86457

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/19/2013, 8:38:19 PM		Rack 2, Tube 26		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.0679u	-0.2664u	-0.1061u			
Al 308.215	-10.1699u	-16.8765u	-3.3791u			
As 188.980	1.3993	5.9042	0.8494			
B 249.678	9.9582	9.0963	9.8510			
Ba 389.178	-0.1764u	0.7132	3.6643			
Be 313.042	0.0330	0.1357	0.4197			
Ca 370.602	-18.48u	-0.7707u	33.05			
Cd 226.502	0.2794	0.0601	0.4889			
Co 228.615	-0.5174u	0.2156	-0.3032u			
Cr 267.716	0.9679	2.0711	4.4848			
Cu 324.754	-0.1971u	0.6155	3.3020			
Fe 271.441	-12.5774u	-12.4916u	-1.1391u			
K 766.491	2.8255	5.7540	12.4643			
Mg 279.078	-24.6749u	-19.4256u	-2.3344u			
Mn 257.610	0.9509	2.4505	6.1116			
Mo 202.032	0.2058	0.1201	0.8888			
Na 330.237	-90.4229u	95.6580	306.287			
Ni 231.604	-0.9749u	0.7689	2.9652			
Pb 220.353	-0.8624u	0.9842	-1.2540u			
Sb 206.834	5.5685	2.2644	4.6530			
Se 196.026	-5.5634u	-1.9090u	-2.3385u			
Sn 189.925	-2.2641u	4.8328	3.1354			
Sr 216.596	0.4127	0.8346	3.1516			
Ti 334.941	-0.0203u	0.0636	0.4009			
Tl 190.794	3.2507	8.9075	8.3426			
V 292.401	0.6589	2.0893	4.5254			
Zn 206.200	5.7738	31.1556	73.7425			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1468	ppb	0.1053	71.8	-19.2021	-0.14680
Al 308.215	-10.1419	ppb	6.7487	66.5	-17.6926	-10.14186
As 188.980	2.7176	ppb	2.7733	102.0	-8.4392	2.71762
B 249.678	9.6352	ppb	0.4698	4.9	377.209	9.63515
Ba 389.178	1.4004	ppb	2.0104	143.6	46.7435	1.40037
Be 313.042	0.1961	ppb	0.2003	102.1	180.366	0.19614
Ca 370.602	4.600	ppb	26.18	569.1	85.57	4.59988
Cd 226.502	0.2762	ppb	0.2144	77.7	40.8044	0.27615
Co 228.615	-0.2017	ppb	0.3769	186.9	-5.3357	-0.20166
Cr 267.716	2.5079	ppb	1.7987	71.7	62.4088	2.50794
Cu 324.754	1.2401	ppb	1.8313	147.7	277.066	1.24014
Fe 271.441	-8.7360	ppb	6.5793	75.3	92.5018	-8.73603
K 766.491	7.0146	ppb	4.9415	70.4	451.423	7.01461
Mg 279.078	-15.4783	ppb	11.6816	75.5	54.5212	-15.47832
Mn 257.610	3.1710	ppb	2.6547	83.7	897.161	3.17099
Mo 202.032	0.4049	ppb	0.4212	104.0	18.1297	0.40490
Na 330.237	103.841	ppb	198.481	191.1	59.5221	103.84055
Ni 231.604	0.9197	ppb	1.9743	214.7	-0.3318	0.91971
Pb 220.353	-0.3774	ppb	1.1953	316.7	30.6589	-0.37740
Sb 206.834	4.1620	ppb	1.7059	41.0	2.9015	4.16197
Se 196.026	-3.2703	ppb	1.9974	61.1	9.8717	-3.27027
Sn 189.925	1.9014	ppb	3.7059	194.9	-5.9784	1.90139
Sr 216.596	1.4663	ppb	1.4747	100.6	42.6341	1.46628
Ti 334.941	0.1481	ppb	0.2229	150.6	30.2487	0.14805
Tl 190.794	6.8336	ppb	3.1157	45.6	-6.5078	6.83360
V 292.401	2.4245	ppb	1.9549	80.6	64.7369	2.42451
Zn 206.200	36.8907	ppb	34.3453	2493.1	375.5283	36.89066Z

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89470-b-1-b ms (Samp)	4/19/2013, 8:43:56 PM	Rack 2, Tube 27			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	35.4890	35.6166			
Al 308.215	5961.04	5917.91			
As 188.980	113.056	105.173			
B 249.678	249.990	251.234			
Ba 389.178	116.613	115.865			
Be 313.042	52.3711	52.2331			
Ca 370.602	64114	63921			
Cd 226.502	53.1880	53.1590			
Co 228.615	51.8776	51.9398			
Cr 267.716	105.850	105.248			
Cu 324.754	118.987	121.925			
Fe 271.441	5508.89	5496.56			
K 766.491	7889.89	7877.74			
Mg 279.078	30544.0	30474.9			
Mn 257.610	586.486	586.356			
Mo 202.032	282.251	284.886			
Na 330.237	24720.4	24831.7			
Ni 231.604	170.944	171.205			
Pb 220.353	45.9735	48.7024			
Sb 206.834	52.1150	55.8846			
Se 196.026	99.2620	100.975			
Sn 189.925	195.918	195.374			
Sr 216.596	183.073	183.383			
Ti 334.941	98.3300	97.9318			
Tl 190.794	43.1317	41.3990			
V 292.401	100.497	101.737			
Zn 206.200	961.271	953.079			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	35.5870	ppb	0.0871	0.2	2571.97
Al 308.215	5938.74	ppb	21.6000	0.4	12554.8
As 188.980	109.675	ppb	4.0594	3.7	58.2535
B 249.678	251.900	ppb	2.3162	0.9	3186.25
Ba 389.178	116.021	ppb	0.5309	0.5	2418.32
Be 313.042	52.3028	ppb	0.0690	0.1	87719.7
Ca 370.602	64045	ppb	107.5	0.2	166368
Cd 226.502	53.2050	ppb	0.0565	0.1	1790.31
Co 228.615	52.0493	ppb	0.2455	0.5	480.996
Cr 267.716	105.604	ppb	0.3159	0.3	3220.46
Cu 324.754	120.808	ppb	1.5906	1.3	6314.03
Fe 271.441	5507.27	ppb	10.0083	0.2	8838.92
K 766.491	7868.66	ppb	26.9326	0.3	230730
Mg 279.078	30524.0	ppb	42.6879	0.1	59747.9
Mn 257.610	586.790	ppb	0.6424	0.1	131755
Mo 202.032	283.828	ppb	1.3919	0.5	1951.81
Na 330.237	24855.1	ppb	147.843	0.6	1096.49
Ni 231.604	170.832	ppb	0.4399	0.3	422.934
Pb 220.353	48.8677	ppb	2.9802	6.1	112.214
Sb 206.834	52.5788	ppb	3.1001	5.9	47.5585
Se 196.026	98.8973	ppb	2.2821	2.3	57.0980
Sn 189.925	195.845	ppb	0.4395	0.2	130.621
Sr 216.596	183.619	ppb	0.6946	0.4	1745.06
Ti 334.941	98.0773	ppb	0.2197	0.2	23624.0
Tl 190.794	39.6796	ppb	4.5617	11.5	22.1641
V 292.401	101.154	ppb	0.6235	0.6	2496.27
Zn 206.200	957.878	ppb	4.2729	0.4	325.93

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89470-b-1-c msd (Samp)	4/19/2013, 8:49:31 PM	Rack 2, Tube 28			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	28.7855	28.6605			
Al 308.215	5829.05	5769.20			
As 188.980	110.173	96.7133			
B 249.678	247.975	247.533			
Ba 389.178	112.369	112.727			
Be 313.042	51.3537	50.9736			
Ca 370.602	64264	63848			
Cd 226.502	51.5065	51.6018			
Co 228.615	52.0477	50.7562			
Cr 267.716	103.646	102.811			
Cu 324.754	117.965	119.312			
Fe 271.441	5522.84	5481.24			
K 766.491	7679.65	7613.94			
Mg 279.078	30475.5	30357.4			
Mn 257.610	576.543	574.056			
Mo 202.032	280.627	282.066			
Na 330.237	24812.1	24908.9			
Ni 231.604	168.430	170.211			
Pb 220.353	46.8437	50.3603			
Sb 206.834	51.9468	53.7839			
Se 196.026	84.6152	97.1887			
Sn 189.925	196.466	194.445			
Sr 216.596	182.263	180.712			
Ti 334.941	97.0233	96.2515			
Tl 190.794	39.5861	34.6461			
V 292.401	98.7333	98.0724			
Zn 206.200	102.745	103.941			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	28.7273	ppb	0.0630	0.2	2073.59
Al 308.215	5808.65	ppb	34.1729	0.6	12280.0
As 188.980	101.206	ppb	7.7664	7.7	53.0072
B 249.678	248.485	ppb	1.2858	0.5	3146.57
Ba 389.178	112.655	ppb	0.2581	0.2	2350.49
Be 313.042	51.1700	ppb	0.1903	0.4	85816.6
Ca 370.602	64121	ppb	236.5	0.4	166564
Cd 226.502	51.6303	ppb	0.1403	0.3	1738.62
Co 228.615	51.1637	ppb	0.7664	1.5	472.689
Cr 267.716	103.372	ppb	0.4857	0.5	3152.13
Cu 324.754	119.035	ppb	0.9615	0.8	6224.58
Fe 271.441	5502.03	ppb	20.8027	0.4	8830.43
K 766.491	7638.59	ppb	35.7957	0.5	223991
Mg 279.078	30421.7	ppb	59.7837	0.2	59548.3
Mn 257.610	575.551	ppb	1.3171	0.2	129238
Mo 202.032	281.798	ppb	1.0632	0.4	1937.96
Na 330.237	24885.9	ppb	65.3789	0.3	1103.03
Ni 231.604	168.725	ppb	1.3635	0.8	417.685
Pb 220.353	49.7463	ppb	2.6495	5.3	113.680
Sb 206.834	52.2310	ppb	1.4322	2.7	47.2206
Se 196.026	93.6627	ppb	7.8986	8.4	54.6811
Sn 189.925	196.302	ppb	1.7805	0.9	130.942
Sr 216.596	181.275	ppb	0.8586	0.5	1723.23
Ti 334.941	96.6536	ppb	0.3869	0.4	23282.2
Tl 190.794	38.4295	ppb	3.3579	8.7	21.0462
V 292.401	98.4707	ppb	0.3507	0.4	2429.27
Zn 206.200	103.594	ppb	0.7395	0.7	321.920

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

mb 680-273618/1-b (Samp)	4/19/2013, 8:55:06 PM	Rack 2, Tube 29			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.2425u	-0.5038u			
Al 308.215	-19.2867u	-9.5143u			
As 188.980	-1.3614u	1.7556			
B 249.678	2.1059	0.5086			
Ba 389.178	-2.2714u	-2.6836u			
Be 313.042	-0.0772u	-0.0611u			
Ca 370.602	12.92	16.56			
Cd 226.502	-0.0660u	0.0449			
Co 228.615	-0.1165u	-0.3753u			
Cr 267.716	-0.0298u	-0.4057u			
Cu 324.754	-0.7152u	-0.7979u			
Fe 271.441	2.9012	2.0736			
K 766.491	3.4095	5.8642			
Mg 279.078	-11.8998u	-8.0148u			
Mn 257.610	-0.2248u	-0.0588u			
Mo 202.032	0.6589	1.0942			
Na 330.237	-200.503u	5.1701			
Ni 231.604	-0.4050u	-0.6689u			
Pb 220.353	2.5537	-1.5911u			
Sb 206.834	1.8928	0.5225			
Se 196.026	-7.4656u	-5.2133u			
Sn 189.925	1.3496	2.0680			
Sr 216.596	-0.9075u	-0.8340u			
Ti 334.941	-0.2301u	-0.0781u			
Tl 190.794	2.3362	-1.1771u			
V 292.401	-0.3209u	-0.3381u			
Zn 206.200	1.3602	3.7597			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3337	ppb	0.1474	44.2	-32.7522
Al 308.215	-12.7098	ppb	5.6966	44.8	-23.0850
As 188.980	0.3337	ppb	1.5764	472.3	-9.9165
B 249.678	0.9078	ppb	1.0567	116.4	275.775
Ba 389.178	-2.7038	ppb	0.4428	16.4	-35.5758
Be 313.042	-0.0698	ppb	0.0081	11.6	-266.540
Ca 370.602	17.26	ppb	4.724	27.4	117.8
Cd 226.502	-0.0093	ppb	0.0555	597.4	31.4548
Co 228.615	-0.5368	ppb	0.5201	96.9	-8.5087
Cr 267.716	-0.1338	ppb	0.2376	177.6	-18.4564
Cu 324.754	-0.8543	ppb	0.1743	20.4	171.502
Fe 271.441	1.8371	ppb	1.1999	65.3	109.227
K 766.491	4.6645	ppb	1.2283	26.3	382.587
Mg 279.078	-8.0629	ppb	3.8130	47.3	69.0675
Mn 257.610	-0.1262	ppb	0.0872	69.1	158.996
Mo 202.032	0.6194	ppb	0.4957	80.0	19.5977
Na 330.237	-139.625	ppb	125.925	90.2	49.4571
Ni 231.604	-0.4425	ppb	0.2102	47.5	-3.7242
Pb 220.353	-1.2351	ppb	3.6240	293.4	29.2302
Sb 206.834	0.2575	ppb	1.7827	692.4	-0.9044
Se 196.026	-6.0040	ppb	1.2671	21.1	8.6100
Sn 189.925	1.1147	ppb	1.0899	97.8	-6.5324
Sr 216.596	-0.8664	ppb	0.0375	4.3	20.7938
Ti 334.941	-0.1475	ppb	0.0768	52.1	-40.5513
Tl 190.794	0.5995	ppb	1.7570	293.1	-12.1509
V 292.401	-0.1836	ppb	0.2528	137.7	-0.8577
Zn 206.200	2.4740	ppb	1.2090	248.9	325.8625

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Ics 680-273618/2-b (Samp)		4/19/2013, 9:00:41 PM		Rack 2, Tube 30	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	15.6291	15.8781	15.6404		
Al 308.215	5072.32	5061.25	5072.90		
As 188.980	103.635	99.3691	98.9063		
B 249.678	182.342	184.341	183.335		
Ba 389.178	99.6140	100.176	100.256		
Be 313.042	51.7154	51.5499	51.4573		
Ca 370.602	4818	4813	4810		
Cd 226.502	53.0876	52.8153	52.9422		
Co 228.615	52.0089	52.4145	52.1070		
Cr 267.716	103.511	103.073	103.907		
Cu 324.754	99.7209	98.7617	98.6832		
Fe 271.441	4873.85	4850.38	4845.57		
K 766.491	4956.81	4928.02	4926.43		
Mg 279.078	4873.71	4875.59	4858.71		
Mn 257.610	530.968	529.070	527.801		
Mo 202.032	99.4482	100.200	100.141		
Na 330.237	4846.25	5150.54	5098.42		
Ni 231.604	99.6519	103.021	101.117		
Pb 220.353	49.4631	51.5868	50.1172		
Sb 206.834	51.4464	46.1425	48.2789		
Se 196.026	100.269	91.5775	90.6960		
Sn 189.925	195.204	201.165	200.231		
Sr 216.596	101.210	101.497	101.427		
Ti 334.941	97.2490	97.0340	96.8697		
Tl 190.794	38.3349	39.5241	35.6588		
V 292.401	99.4157	99.1208	99.2890		
Zn 206.200	104.718	106.890	106.342		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	15.7159	ppb	0.1406	0.9	1131.88
Al 308.215	5068.82	ppb	6.5652	0.1	10709.3
As 188.980	100.637	ppb	2.6070	2.6	52.2043
B 249.678	183.339	ppb	0.9995	0.5	2390.23
Ba 389.178	100.015	ppb	0.3499	0.3	2037.95
Be 313.042	51.5742	ppb	0.1307	0.3	86505.0
Ca 370.602	4814	ppb	3.972	0.1	12302
Cd 226.502	52.9484	ppb	0.1363	0.3	1780.30
Co 228.615	52.1768	ppb	0.2117	0.4	487.185
Cr 267.716	103.497	ppb	0.4171	0.4	3155.49
Cu 324.754	99.0553	ppb	0.5778	0.6	5212.01
Fe 271.441	4856.60	ppb	15.1291	0.3	7808.02
K 766.491	4937.08	ppb	17.0997	0.3	144860
Mg 279.078	4869.34	ppb	9.2473	0.2	9595.71
Mn 257.610	529.280	ppb	1.5939	0.3	118731
Mo 202.032	99.9295	ppb	0.4179	0.4	696.894
Na 330.237	5031.74	ppb	162.739	3.2	265.259
Ni 231.604	101.263	ppb	1.6892	1.7	249.665
Pb 220.353	50.3891	ppb	1.0876	2.2	114.993
Sb 206.834	48.6226	ppb	2.6686	5.5	46.1089
Se 196.026	94.1809	ppb	5.2910	5.6	54.9129
Sn 189.925	198.867	ppb	3.2060	1.6	132.721
Sr 216.596	101.378	ppb	0.1501	0.1	976.036
Ti 334.941	97.0509	ppb	0.1903	0.2	23279.5
Tl 190.794	37.8393	ppb	1.9797	5.2	20.6766
V 292.401	99.2751	ppb	0.1479	0.1	2481.81
Zn 206.200	105.983	ppb	1.1296	1.6	325.949

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89294-a-1-e (Samp)	4/19/2013, 9:06:27 PM	Rack 2, Tube 31
Weight: 1	Volume: 1	Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	-0.4119u	-0.2119u	-0.3325u			
Al 308.215	-5.4721u	-9.6611u	-7.3370u			
As 188.980	-0.2500u	-0.4381u	0.7967			
B 249.678	26.3813	24.5687	24.3626			
Ba 389.178	55.6481	55.6851	55.2753			
Be 313.042	-0.1011u	-0.1042u	-0.1035u			
Ca 370.602	15353	15252	15239			
Cd 226.502	-0.1166u	0.0677	-0.2760u			
Co 228.615	-0.9662u	-0.2993u	-1.0455u			
Cr 267.716	-0.0705u	-0.0149u	-0.0017			
Cu 324.754	-0.6845u	-0.8745u	-1.0412u			
Fe 271.441	-5.1570u	-11.9002u	-10.0548u			
K 766.491	2166.89	2159.05	2153.99			
Mg 279.078	875.406	874.692	868.624			
Mn 257.610	-0.3106u	-0.3590u	-0.3007u			
Mo 202.032	0.4512	0.5943	0.0849			
Na 330.237	17768.3	17474.7	17515.5			
Ni 231.604	-2.3591u	-1.5784u	-2.5451u			
Pb 220.353	4.4756	3.0856	3.1486			
Sb 206.834	-3.7848u	-3.6601u	-3.4290u			
Se 196.026	-4.4144u	-1.7636u	2.9584			
Sn 189.925	-6.6271u	-1.6289u	-1.7204u			
Sr 216.596	141.166	140.217	139.414			
Ti 334.941	-0.0819u	-0.1160u	-0.1759u			
Tl 190.794	0.0233	-3.0140u	-0.2139u			
V 292.401	1.2925	1.1881	1.2268			
Zn 206.200	0.9964	1.9328	1.7405			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3188	ppb	0.1007	31.6	-37.8310
Al 308.215	-7.4900	ppb	2.0987	28.0	-12.0819
As 188.980	0.0362	ppb	0.6653	1837.8	-9.9709
B 249.678	25.1042	ppb	1.1108	4.4	556.984
Ba 389.178	55.5362	ppb	0.2267	0.4	1134.79
Be 313.042	-0.1029	ppb	0.0016	1.6	-319.265
Ca 370.602	15281	ppb	62.72	0.4	39832
Cd 226.502	-0.1083	ppb	0.1720	158.9	28.1132
Co 228.615	-0.7703	ppb	0.4098	53.2	-10.7007
Cr 267.716	-0.0290	ppb	0.0365	125.7	-15.0752
Cu 324.754	-0.8667	ppb	0.1785	20.6	170.855
Fe 271.441	-9.0373	ppb	3.4848	38.6	91.9938
K 766.491	2159.98	ppb	6.5010	0.3	63514.6
Mg 279.078	872.907	ppb	3.7266	0.4	1791.31
Mn 257.610	-0.3234	ppb	0.0312	9.6	119.910
Mo 202.032	0.3768	ppb	0.2627	69.7	17.9402
Na 330.237	17586.2	ppb	159.057	0.9	797.553
Ni 231.604	-2.1609	ppb	0.5129	23.7	-8.0039
Pb 220.353	3.5699	ppb	0.7849	22.0	37.2290
Sb 206.834	-3.6247	ppb	0.1805	5.0	-4.6613
Se 196.026	-1.0732	ppb	3.7346	348.0	10.8842
Sn 189.925	-3.3255	ppb	2.8596	86.0	-9.6487
Sr 216.596	140.266	ppb	0.8771	0.6	1344.13
Ti 334.941	-0.1246	ppb	0.0475	38.2	-32.7397
Tl 190.794	-1.0682	ppb	1.6893	158.1	-13.6598
V 292.401	1.2358	ppb	0.0528	4.3	34.8190
Zn 206.200	1.5566	ppb	0.4945	251.85	325.6988

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89294-a-2-c (Samp)	4/19/2013, 9:12:02 PM	Rack 2, Tube 32
Weight: 1	Volume: 1	Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	-0.1113u	-0.1344u	-0.1754u			
Al 308.215	1.1496	-4.3909u	-4.2944u			
As 188.980	0.5180	-3.1598u	-1.9972u			
B 249.678	14.0664	14.7396	14.5151			
Ba 389.178	19.7955	20.3030	20.2127			
Be 313.042	-0.1095u	-0.1038u	-0.0991u			
Ca 370.602	20875	20912	20955			
Cd 226.502	0.0178	0.1855	-0.2332u			
Co 228.615	-0.4248u	-0.6994u	-0.8345u			
Cr 267.716	-0.0431u	-0.0827u	-0.3092u			
Cu 324.754	-1.2564u	-1.9143u	-0.3503u			
Fe 271.441	-4.7091u	-2.8122u	-6.0549u			
K 766.491	1693.95	1697.56	1704.83			
Mg 279.078	2589.52	2588.27	2596.47			
Mn 257.610	-0.6700u	-0.6136u	-0.6102u			
Mo 202.032	-0.2301u	-0.1872u	0.4216			
Na 330.237	2440.82	2614.30	2571.18			
Ni 231.604	-0.4128u	-0.8677u	-1.0484u			
Pb 220.353	-3.7029u	-4.2270u	-1.0598u			
Sb 206.834	2.2001	-2.4912u	1.3737			
Se 196.026	0.6558	3.0761	5.7758			
Sn 189.925	-5.7959u	-6.4001u	-0.6069u			
Sr 216.596	59.1653	59.1632	59.6486			
Ti 334.941	-0.0514u	-0.1519u	-0.0594u			
Tl 190.794	0.0482	-1.8199u	1.4076			
V 292.401	-0.2336u	-0.4108u	-0.3632u			
Zn 206.200	8.3070	8.7736	8.0553			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1403	ppb	0.0324	23.1	-21.3798
Al 308.215	-2.5119	ppb	3.1713	126.2	-1.5871
As 188.980	-1.5463	ppb	1.8799	121.6	-10.9026
B 249.678	14.4403	ppb	0.3428	2.4	433.051
Ba 389.178	20.1037	ppb	0.2707	1.3	427.877
Be 313.042	-0.1041	ppb	0.0052	5.0	-317.967
Ca 370.602	20914	ppb	40.05	0.2	54488
Cd 226.502	-0.0100	ppb	0.2107	2116.4	31.4370
Co 228.615	-0.6529	ppb	0.2088	32.0	-9.5807
Cr 267.716	-0.1450	ppb	0.1436	99.0	-18.7718
Cu 324.754	-1.1737	ppb	0.7852	66.9	155.382
Fe 271.441	-4.5254	ppb	1.6292	36.0	99.1419
K 766.491	1698.78	ppb	5.5410	0.3	50005.5
Mg 279.078	2591.42	ppb	4.4191	0.2	5150.89
Mn 257.610	-0.6313	ppb	0.0336	5.3	60.8887
Mo 202.032	0.0014	ppb	0.3645	25535.2	15.3810
Na 330.237	2542.10	ppb	90.3211	3.6	162.600
Ni 231.604	-0.7763	ppb	0.3275	42.2	-4.5556
Pb 220.353	-2.9966	ppb	1.6976	56.7	26.2986
Sb 206.834	0.3609	ppb	2.5043	694.0	-0.7984
Se 196.026	3.1692	ppb	2.5613	80.8	12.8409
Sn 189.925	-4.2676	ppb	3.1847	74.6	-10.3142
Sr 216.596	59.3257	ppb	0.2796	0.5	586.487
Ti 334.941	-0.0876	ppb	0.0559	63.8	-16.2649
Tl 190.794	-0.1214	ppb	1.6204	1335.0	-12.8027
V 292.401	-0.3359	ppb	0.0917	27.3	-4.5469
Zn 206.200	8.3786	ppb	0.3645	2524.4	3113555

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89294-a-11-c (Samp) **4/19/2013, 9:17:38 PM** **Rack 2, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	-0.0243u	-0.1969u	-0.2879u			
Al 308.215	532.272	525.741	521.136			
As 188.980	-4.8088u	0.0748	-1.6458u			
B 249.678	3.3989	3.1203	2.8558			
Ba 389.178	48.8468	48.3496	48.8973			
Be 313.042	0.1053	0.1105	0.1043			
Ca 370.602	1291	1278	1272			
Cd 226.502	-0.0868u	-0.3450u	-0.1160u			
Co 228.615	0.8357	0.3067	0.7251			
Cr 267.716	0.2070	0.0795	-0.3348u			
Cu 324.754	-0.9468u	-1.2148u	-1.0957u			
Fe 271.441	80.5530	76.4589	83.4871			
K 766.491	2572.93	2542.50	2548.35			
Mg 279.078	2553.41	2536.45	2531.29			
Mn 257.610	9.6175	9.5074	9.4720			
Mo 202.032	0.3575	-0.0887u	-0.3005u			
Na 330.237	10033.4	9619.39	9863.92			
Ni 231.604	-0.3262u	-0.5570u	0.0118			
Pb 220.353	14.1761	11.5357	14.8714			
Sb 206.834	-1.1359u	-5.6964u	-4.2132u			
Se 196.026	-2.4554u	7.1374	-0.6189u			
Sn 189.925	1.0616	1.6764	-0.6548u			
Sr 216.596	34.4143	34.2399	34.3840			
Ti 334.941	-0.0383	-0.1337u	-0.2021u			
Tl 190.794	-5.4886u	0.4686	-1.9621u			
V 292.401	-0.4886u	-0.3924u	-0.1741u			
Zn 206.200	41.8891	39.4471	40.8656			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1697	ppb	0.1339	78.9	-22.3615
Al 308.215	526.383	ppb	5.5954	1.1	1115.01
As 188.980	-2.1266	ppb	2.4770	116.5	-11.4309
B 249.678	3.1250	ppb	0.2716	8.7	301.454
Ba 389.178	48.6979	ppb	0.3027	0.6	1001.41
Be 313.042	0.1067	ppb	0.0033	3.1	29.5527
Ca 370.602	1280	ppb	9.362	0.7	3399
Cd 226.502	-0.1826	ppb	0.1414	77.5	25.9222
Co 228.615	0.6225	ppb	0.2791	44.8	2.4288
Cr 267.716	-0.0161	ppb	0.2833	1761.5	-14.7052
Cu 324.754	-1.0857	ppb	0.1343	12.4	159.836
Fe 271.441	80.1664	ppb	3.5300	4.4	233.418
K 766.491	2554.59	ppb	16.1438	0.6	75073.5
Mg 279.078	2540.38	ppb	11.5732	0.5	5050.85
Mn 257.610	9.5323	ppb	0.0759	0.8	2336.12
Mo 202.032	-0.0106	ppb	0.3359	3180.9	15.2952
Na 330.237	9838.91	ppb	208.152	2.1	470.330
Ni 231.604	-0.2905	ppb	0.2861	98.5	-3.3437
Pb 220.353	13.5277	ppb	1.7598	13.0	53.7990
Sb 206.834	-3.6818	ppb	2.3262	63.2	-4.7031
Se 196.026	1.3544	ppb	5.0917	376.0	12.0057
Sn 189.925	0.6944	ppb	1.2082	174.0	-6.8251
Sr 216.596	34.3461	ppb	0.0932	0.3	350.784
Ti 334.941	-0.1247	ppb	0.0822	65.9	-25.7832
Tl 190.794	-2.3274	ppb	2.9954	128.7	-14.8176
V 292.401	-0.3517	ppb	0.1612	45.8	-4.9700
Zn 206.200	40.7340	ppb	1.2263	2533.0	524116

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43151-h-2-b (Samp)	4/19/2013, 9:23:14 PM	Rack 2, Tube 34			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.6873u	-0.7374u			
Al 308.215	-1.3261u	-1.6998u			
As 188.980	11.9049	12.2475			
B 249.678	504.841	507.518			
Ba 389.178	1917.36	1916.04			
Be 313.042	-0.2189u	-0.2178u			
Ca 370.602	678696	683724			
Cd 226.502	0.5107	0.1541			
Co 228.615	0.8703	0.4502			
Cr 267.716	0.4328	0.5557			
Cu 324.754	-1.6166u	-2.0290u			
Fe 271.441	37825.7	37901.6			
K 766.491	30150.6	30195.5			
Mg 279.078	217585	217694			
Mn 257.610	5402.61	5400.97			
Mo 202.032	-0.7749u	0.7181			
Na 330.237	483587x	485295x			
Ni 231.604	3.1670	3.7143			
Pb 220.353	1.7764	4.8824			
Sb 206.834	-3.5070u	4.1009			
Se 196.026	-3.8658u	2.1979			
Sn 189.925	-3.1649u	2.1176			
Sr 216.596	3594.12	3598.89			
Ti 334.941	-2.5947	-2.5429			
Tl 190.794	4.0751u	7.1565u			
V 292.401	-1.5594u	-1.2615u			
Zn 206.200	11.4029	10.0123			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7792b	ppb	0.1185	15.2	-204.419
Al 308.215	-1.5567b	ppb	0.2016	12.9	0.4230
As 188.980	11.0977b	ppb	1.7035	15.3	2.1678
B 249.678	507.231b	ppb	2.2604	0.4	6115.92
Ba 389.178	1917.31b	ppb	1.2414	0.1	38986.7
Be 313.042	-0.2196b	ppb	0.0022	1.0	-363.557
Ca 370.602	682589b	ppb	3467	0.5	1773626
Cd 226.502	0.4315b	ppb	0.2474	57.3	127.421
Co 228.615	0.6539b	ppb	0.2103	32.2	1.6992
Cr 267.716	0.4814b	ppb	0.0654	13.6	26.0792
Cu 324.754	-1.9200b	ppb	0.2662	13.9	129.103
Fe 271.441	37885.7b	ppb	53.8009	0.1	60120.2
K 766.491	30199.2b	ppb	50.5726	0.2	884821
Mg 279.078	217568b	ppb	134.708	0.1	425343
Mn 257.610	5402.05b	ppb	0.9422	0.0	1211024
Mo 202.032	0.0041b	ppb	0.7486	18448.7	13.6084
Na 330.237	484338xb	ppb	872.479	0.2	20486.7
Ni 231.604	2.7485b	ppb	1.2297	44.7	4.9701
Pb 220.353	3.2701b	ppb	1.5564	47.6	37.9006
Sb 206.834	-0.6922b	ppb	4.1719	602.7	-0.9779
Se 196.026	1.0054b	ppb	4.3979	437.4	12.8822
Sn 189.925	-1.8886b	ppb	3.5448	187.7	-8.2699
Sr 216.596	3598.40b	ppb	4.0543	0.1	33808.4
Ti 334.941	-2.5729b	ppb	0.0268	1.0	197.754
Tl 190.794	5.5940b	ppb	1.5412	27.6	-16.5741
V 292.401	-1.3653b	ppb	0.1682	12.3	-31.2600
Zn 206.200	10.8305b	ppb	0.7271	2546.7	344663

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89291-c-1-b (Samp) **4/19/2013, 9:28:50 PM** **Rack 2, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration	
Ag 328.068	0.6479	0.5552	0.8607
Al 308.215	39.1662	36.5018	38.1797
As 188.980	1.5353	2.1117	6.1036
B 249.678	-4.3797u	-4.6479u	-5.9293u
Ba 389.178	539.506	540.989	542.227
Be 313.042	-0.0875u	-0.0878u	-0.0992u
Ca 370.602	126877	126884	127008
Cd 226.502	-0.2071u	-0.3267u	-0.3805u
Co 228.615	4.3598	4.0929	4.5507
Cr 267.716	13.5069	12.8288	13.1373
Cu 324.754	-2.1463u	-1.7935u	-1.7607u
Fe 271.441	-1.5036u	-0.7667u	3.0320
K 766.491	7429.43	7433.38	7472.46
Mg 279.078	38300.0	38304.4	38367.3
Mn 257.610	60001.2x	60179.5x	60141.7x
Mo 202.032	0.0754	0.3295	0.1055
Na 330.237	43419.2	42984.9	43315.0
Ni 231.604	3.3816	0.5235	2.3894
Pb 220.353	-5.4290	-3.7035	-1.0950
Sb 206.834	2.7908	-3.8031u	1.2571
Se 196.026	-5.1602	-6.7207	-2.4557
Sn 189.925	-3.4790u	-1.5745u	-1.1156u
Sr 216.596	883.742	886.110	885.670
Ti 334.941	-0.5540	-0.5728	-0.5800
Tl 190.794	109.902	104.377	101.636
V 292.401	-3.5800u	-3.9797u	-3.7344u
Zn 206.200	3.5257	3.7468	1.2390

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6879b	ppb	0.1566	22.8	268.345
Al 308.215	37.9492b	ppb	1.3471	3.5	83.8743
As 188.980	3.2502b	ppb	2.4879	76.5	-7.0237
B 249.678	-4.9856b	ppb	0.8282	16.6	207.309
Ba 389.178	540.907b	ppb	1.3623	0.3	10956.1
Be 313.042	-0.0915b	ppb	0.0066	7.3	-284.066
Ca 370.602	126923b	ppb	74.06	0.1	331677
Cd 226.502	-0.3048b	ppb	0.0888	29.1	21.9676
Co 228.615	4.3345b	ppb	0.2299	5.3	37.3760
Cr 267.716	13.1577b	ppb	0.3395	2.6	554.523
Cu 324.754	-1.9002b	ppb	0.2138	11.2	118.795
Fe 271.441	0.2539b	ppb	2.4340	958.6	107.399
K 766.491	7445.09b	ppb	23.7867	0.3	218323
Mg 279.078	38323.9b	ppb	37.6314	0.1	74112.6
Mn 257.610	60107.5xb	ppb	93.9506	0.2	13458196
Mo 202.032	0.1701b	ppb	0.1388	81.6	16.5384
Na 330.237	43239.7b	ppb	226.770	0.5	1880.21
Ni 231.604	2.0982b	ppb	1.4511	69.2	2.6030
Pb 220.353	-3.4092b	ppb	2.1820	64.0	38.6170
Sb 206.834	0.0816b	ppb	3.4506	4229.5	-1.0562
Se 196.026	-4.7789b	ppb	2.1579	45.2	23.0363
Sn 189.925	-2.0564b	ppb	1.2532	60.9	-8.7078
Sr 216.596	885.174b	ppb	1.2592	0.1	8331.38
Ti 334.941	-0.5690b	ppb	0.0134	2.4	2.8832
Tl 190.794	105.305b	ppb	4.2108	4.0	2.8737
V 292.401	-3.7647b	ppb	0.2016	5.4	-90.9535
Zn 206.200	2.8372b	ppb	1.3884	48.9	343192

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89291-c-2-b (Samp)

4/19/2013, 9:34:26 PM

Rack 2, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	-0.4034u	-0.3678u	-0.2192u			
Al 308.215	-0.4666u	-8.5052u	-12.4782u			
As 188.980	-1.7700u	0.5537	-0.2017			
B 249.678	10.6049	10.1832	10.3326			
Ba 389.178	55.2484	56.0066	56.2012			
Be 313.042	-0.1068u	-0.1053u	-0.1046u			
Ca 370.602	121475	121084	121320			
Cd 226.502	-0.2716u	-0.2148u	-0.3000u			
Co 228.615	0.4018	-1.0956u	0.4364			
Cr 267.716	1.1285	0.8842	1.2846			
Cu 324.754	-1.3074u	-1.3290u	-1.2855u			
Fe 271.441	72.0401	64.5419	70.1287			
K 766.491	12469.4	12475.6	12510.1			
Mg 279.078	45618.8	45517.7	45549.1			
Mn 257.610	8264.92	8296.33	8311.24			
Mo 202.032	0.4052	0.0756	0.7006			
Na 330.237	144530x	144775x	144678x			
Ni 231.604	7.4276	8.5024	8.0970			
Pb 220.353	0.9861	-0.3792	-1.5867u			
Sb 206.834	-6.2970u	-9.5946u	-3.8692u			
Se 196.026	-6.6406u	-0.3954	-0.1654			
Sn 189.925	-3.7921u	-4.1065u	-4.6858u			
Sr 216.596	775.411	771.932	771.749			
Ti 334.941	-0.6356	-0.6120	-0.7123u			
Tl 190.794	12.5146	15.0351	15.3682			
V 292.401	0.1881	0.2791	0.2521			
Zn 206.200	3.9099	4.1203	6.6294			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3301b	ppb	0.0977	29.6	-30.7539
Al 308.215	-7.1500b	ppb	6.1194	85.6	-11.3499
As 188.980	-0.4727b	ppb	1.1853	250.8	-9.3798
B 249.678	10.3736b	ppb	0.2138	2.1	385.727
Ba 389.178	55.8188b	ppb	0.5034	0.9	1242.13
Be 313.042	-0.1056b	ppb	0.0011	1.1	-306.655
Ca 370.602	121293b	ppb	197.0	0.2	315839
Cd 226.502	-0.2621b	ppb	0.0434	16.5	23.1504
Co 228.615	-0.0858b	ppb	0.8747	1019.0	-4.2547
Cr 267.716	1.0991b	ppb	0.2018	18.4	43.6537
Cu 324.754	-1.3073b	ppb	0.0218	1.7	148.678
Fe 271.441	68.9036b	ppb	3.8964	5.7	215.501
K 766.491	12485.0b	ppb	21.9527	0.2	365950
Mg 279.078	45561.9b	ppb	51.7353	0.1	89032.3
Mn 257.610	8290.83b	ppb	23.6432	0.3	1856726
Mo 202.032	0.3938b	ppb	0.3127	79.4	18.0543
Na 330.237	144661xb	ppb	123.013	0.1	6160.50
Ni 231.604	8.0090b	ppb	0.5428	6.8	17.3250
Pb 220.353	-0.3266b	ppb	1.2872	394.1	32.5368
Sb 206.834	-6.5869b	ppb	2.8737	43.6	-7.5240
Se 196.026	-2.4004b	ppb	3.6739	153.1	12.1839
Sn 189.925	-4.1948b	ppb	0.4533	10.8	-10.1876
Sr 216.596	773.031b	ppb	2.0638	0.3	7280.44
Ti 334.941	-0.6533b	ppb	0.0524	8.0	6.2706
Tl 190.794	14.3060b	ppb	1.5603	10.9	-10.7494
V 292.401	0.2398b	ppb	0.0467	19.5	9.3358
Zn 206.200	4.8866b	ppb	1.5130	251.0f	325.9234

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)		4/19/2013, 9:40:13 PM		Rack 2, Tube 37		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	472.772	474.558	468.221			
Al 308.215	4665.56	4692.16	4637.98			
As 188.980	451.341	466.157	455.594			
B 249.678	474.293	478.027	480.568			
Ba 389.178	4998.47	5017.33	5003.25			
Be 313.042	501.024	503.343	501.886			
Ca 370.602	4798	4806	4790			
Cd 226.502	506.058	507.846	506.832			
Co 228.615	511.499	510.412	512.972			
Cr 267.716	4947.51	4977.80	4925.64			
Cu 324.754	5053.27	4955.20	4937.54			
Fe 271.441	4784.04	4793.73	4788.70			
K 766.491	9781.08	9801.73	9793.63			
Mg 279.078	4791.96	4793.41	4781.89			
Mn 257.610	5060.70	5076.08	5065.27			
Mo 202.032	483.418	486.058	485.993			
Na 330.237	7196.52	7256.13	7145.34			
Ni 231.604	2564.93	2572.06	2562.36			
Pb 220.353	484.298	485.573	484.831			
Sb 206.834	899.861	906.374	902.238			
Se 196.026	4840.05	4850.42	4843.51			
Sn 189.925	4856.78	4886.40	4809.75			
Sr 216.596	2457.12	2461.63	2448.59			
Ti 334.941	478.689	481.436	477.830			
Tl 190.794	4979.95	4994.15	4991.78			
V 292.401	4858.87	4866.57	4864.94			
Zn 206.200	2523.83	2515.57	2520.48			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	471.850	ppb	3.2675	0.7	34219.9	94.37010
Al 308.215	4665.23	ppb	27.0904	0.6	9844.88	93.30466
As 188.980	457.697	ppb	7.6284	1.7	273.366	91.53946
B 249.678	477.629	ppb	3.1563	0.7	5810.23	19.10516Q
Ba 389.178	5006.35	ppb	9.8047	0.2	100475	100.12700
Be 313.042	502.084	ppb	1.1722	0.2	843376	100.41685
Ca 370.602	4798	ppb	7.957	0.2	12459	95.95337
Cd 226.502	506.912	ppb	0.8964	0.2	16682.4	101.38239
Co 228.615	511.628	ppb	1.2850	0.3	4821.03	102.32552
Cr 267.716	4950.31	ppb	26.1913	0.5	151514	99.00630
Cu 324.754	4982.00	ppb	62.3491	1.3	251366	99.64002
Fe 271.441	4788.82	ppb	4.8454	0.1	7807.62	95.77641
K 766.491	9792.15	ppb	10.4012	0.1	287071	97.92149
Mg 279.078	4789.09	ppb	6.2757	0.1	9371.39	95.78176
Mn 257.610	5067.35	ppb	7.9002	0.2	1134785	101.34704
Mo 202.032	485.156	ppb	1.5056	0.3	3317.27	97.03130
Na 330.237	7199.33	ppb	55.4472	0.8	339.557	95.99104
Ni 231.604	2566.45	ppb	5.0243	0.2	6389.04	102.65796
Pb 220.353	484.901	ppb	0.6403	0.1	838.407	96.98018
Sb 206.834	902.825	ppb	3.2955	0.4	918.710	90.28246
Se 196.026	4844.66	ppb	5.2787	0.1	2246.97	96.89320
Sn 189.925	4850.98	ppb	38.6479	0.8	3408.59	97.01950
Sr 216.596	2455.78	ppb	6.6213	0.3	22980.6	98.23134
Ti 334.941	479.318	ppb	1.8834	0.4	114918	95.86366
Tl 190.794	4988.63	ppb	7.6084	0.2	4500.46	99.77257
V 292.401	4863.46	ppb	4.0587	0.1	122126	97.26918
Zn 206.200	2519.96	ppb	4.1518	0.2	3185.79	100.79834

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/19/2013, 9:45:49 PM		Rack 2, Tube 38		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	0.2712	0.0456	-0.1534u			
Al 308.215	-17.2905u	-21.4085u	-14.8371u			
As 188.980	0.7014	1.1993	-0.0715u			
B 249.678	-0.2867u	-0.8808u	-1.8665u			
Ba 389.178	-1.2502u	-0.7449u	0.1721			
Be 313.042	-0.0195u	0.0244	0.0676			
Ca 370.602	-21.85u	-15.76u	-18.28u			
Cd 226.502	-0.0858u	0.1938	0.0362			
Co 228.615	-0.1327u	-0.2180u	-0.4136u			
Cr 267.716	0.3220	0.9974	0.9604			
Cu 324.754	-0.6938u	-0.1394u	0.4180			
Fe 271.441	-8.0197u	-5.2973u	-8.8915u			
K 766.491	1.4258	2.1650	3.4314			
Mg 279.078	-25.7738u	-23.6815u	-16.3847u			
Mn 257.610	0.9190	1.6618	2.2989			
Mo 202.032	0.4260	0.4453	0.9942			
Na 330.237	53.5280	-164.002u	-96.4884u			
Ni 231.604	-1.0271u	-0.5413u	0.2622			
Pb 220.353	-2.2244u	-0.8552u	-0.4457u			
Sb 206.834	-2.2008u	-2.2247u	6.8111			
Se 196.026	-6.5440u	-3.8918u	-1.5611u			
Sn 189.925	1.4738	2.2394	1.5286			
Sr 216.596	-0.0511u	-0.4083u	0.3767			
Ti 334.941	-0.1207u	-0.0523u	0.0148			
Tl 190.794	1.5726	0.3550	5.6607			
V 292.401	0.6624	1.0968	1.5425			
Zn 206.200	0.9898	0.9099	-0.9265u			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0545	ppb	0.2124	389.8	-4.5477	0.05449
Al 308.215	-17.8453	ppb	3.3206	18.6	-33.9355	-17.84534
As 188.980	0.6097	ppb	0.6404	105.0	-9.7457	0.60973
B 249.678	-1.0113	ppb	0.7979	78.9	253.483	-1.01131
Ba 389.178	-0.6077	ppb	0.7210	118.7	6.4427	-0.60768
Be 313.042	0.0242	ppb	0.0435	180.3	-108.639	0.02415
Ca 370.602	-18.63	ppb	3.060	16.4	25.00	-18.63024
Cd 226.502	0.0481	ppb	0.1402	291.5	33.3207	0.04809
Co 228.615	-0.2547	ppb	0.1440	56.5	-5.8506	-0.25475
Cr 267.716	0.7599	ppb	0.3797	50.0	8.8996	0.75992
Cu 324.754	-0.1384	ppb	0.5559	401.7	207.583	-0.13838
Fe 271.441	-7.4028	ppb	1.8748	25.3	94.5817	-7.40282
K 766.491	2.3407	ppb	1.0143	43.3	314.519	2.34073
Mg 279.078	-21.9467	ppb	4.9291	22.5	41.9001	-21.94666
Mn 257.610	1.6266	ppb	0.6906	42.5	551.335	1.62656
Mo 202.032	0.6218	ppb	0.3226	51.9	19.6124	0.62184
Na 330.237	-68.9876	ppb	111.342	161.4	52.4525	-68.98762
Ni 231.604	-0.4354	ppb	0.6511	149.6	-3.7067	-0.43540
Pb 220.353	-1.1751	ppb	0.9315	79.3	29.3306	-1.17511
Sb 206.834	0.7952	ppb	5.2100	655.2	-0.3770	0.79518
Se 196.026	-3.9990	ppb	2.4932	62.3	9.5353	-3.99897
Sn 189.925	1.7473	ppb	0.4271	24.4	-6.0869	1.74728
Sr 216.596	-0.0275	ppb	0.3930	1427.4	28.6415	-0.02753
Ti 334.941	-0.0527	ppb	0.0678	128.6	-17.8959	-0.05272
Tl 190.794	2.5294	ppb	2.7792	109.9	-10.4045	2.52945
V 292.401	1.1006	ppb	0.4401	40.0	31.4467	1.10058
Zn 206.200	0.3244	ppb	1.0841	234.2	325	1332

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89291-c-3-b (Samp)	4/19/2013, 9:51:36 PM	Rack 2, Tube 39
Weight: 1	Volume: 1	Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	-0.3187	0.2154	0.0323
Al 308.215	11.2775	10.1972	13.0331
As 188.980	4.1355	-1.9478u	2.9323
B 249.678	5.0106	5.2530	4.8935
Ba 389.178	608.219	608.851	611.069
Be 313.042	-0.0406u	0.0453	0.1217
Ca 370.602	82114	82030	82480
Cd 226.502	-0.3082u	-0.1813u	-0.1261u
Co 228.615	-0.5039u	-0.4785u	0.2333
Cr 267.716	6.2274	7.0005	7.3669
Cu 324.754	-0.7971u	0.0629	0.9375
Fe 271.441	182.282	193.224	196.464
K 766.491	91666.6x	91482.5x	91139.1x
Mg 279.078	25993.1	26076.7	26118.4
Mn 257.610	25891.5	25955.8	25979.6
Mo 202.032	2.3328	2.0566	2.3159
Na 330.237	125588x	125790x	125646x
Ni 231.604	5.9336	7.7697	7.7909
Pb 220.353	0.3317	0.4609	-1.4859
Sb 206.834	3.5400	-4.6484u	-2.0220u
Se 196.026	5.3519	-2.6179	-2.1817
Sn 189.925	-2.2089u	-4.2935u	-3.7433u
Sr 216.596	967.923	967.651	974.775
Ti 334.941	0.4199	0.5862	0.6411
Tl 190.794	42.9668	43.1744	45.4240
V 292.401	-0.4400u	-0.1925u	0.7651
Zn 206.200	13.3016	39.5453	60.0827

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0237b	ppb	0.2714	1146.9	61.0260
Al 308.215	11.5026b	ppb	1.4313	12.4	28.1008
As 188.980	1.7067b	ppb	3.2215	188.8	-8.3613
B 249.678	5.0524b	ppb	0.1833	3.6	323.907
Ba 389.178	609.380b	ppb	1.4963	0.2	12302.5
Be 313.042	0.0421b	ppb	0.0812	192.9	-76.4279
Ca 370.602	82208b	ppb	239.6	0.3	214542
Cd 226.502	-0.2052b	ppb	0.0934	45.5	25.1496
Co 228.615	-0.2497b	ppb	0.4185	167.6	-5.7691
Cr 267.716	6.8649b	ppb	0.5817	8.5	268.618
Cu 324.754	0.0678b	ppb	0.8673	1279.9	218.086
Fe 271.441	190.657b	ppb	7.4313	3.9	408.368
K 766.491	91429.4xb	ppb	267.776	0.3	2678337
Mg 279.078	26062.7b	ppb	63.8168	0.2	50650.4
Mn 257.610	25942.3b	ppb	45.5937	0.2	5808694
Mo 202.032	2.2351b	ppb	0.1548	6.9	30.6141
Na 330.237	125674xb	ppb	104.045	0.1	5358.96
Ni 231.604	7.1647b	ppb	1.0662	14.9	15.2248
Pb 220.353	-0.2311b	ppb	1.0886	471.1	36.5128
Sb 206.834	-1.0435b	ppb	4.1810	400.7	-2.1545
Se 196.026	0.1841b	ppb	4.4808	2434.1	17.4456
Sn 189.925	-3.4152b	ppb	1.0803	31.6	-9.6577
Sr 216.596	970.117b	ppb	4.0368	0.4	9123.02
Ti 334.941	0.5490b	ppb	0.1152	21.0	219.307
Tl 190.794	43.8550b	ppb	1.3627	3.1	-7.4289
V 292.401	0.0442b	ppb	0.6365	1439.2	3.9437
Zn 206.200	37.6432b	ppb	23.4485	2562.3f	48.4832

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89291-c-4-b (Samp) **4/19/2013, 9:57:11 PM** **Rack 2, Tube 40**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	-0.4435u	-0.2778u	-0.3129u			
Al 308.215	-6.6589u	-12.2187u	-15.6458u			
As 188.980	-2.3729u	1.5698	-0.0755			
B 249.678	11.1122	10.3395	10.4736			
Ba 389.178	175.070	174.525	174.438			
Be 313.042	-0.0889u	-0.0807u	-0.0742u			
Ca 370.602	46301	46195	46358			
Cd 226.502	-0.0344u	-0.0314u	0.0167			
Co 228.615	1.7342	3.2765	2.4014			
Cr 267.716	0.3852	0.5531	0.6770			
Cu 324.754	-0.9986u	-0.6239u	-1.3416u			
Fe 271.441	-6.1833u	-8.5791u	-7.3181u			
K 766.491	11263.3	11249.7	11230.2			
Mg 279.078	16694.0	16688.3	16752.5			
Mn 257.610	4048.32	4041.78	4054.02			
Mo 202.032	0.8592	0.8806	0.7242			
Na 330.237	22513.4	22770.0	22379.6			
Ni 231.604	0.6322	-0.8226u	-0.0371u			
Pb 220.353	-2.2514u	0.4607	-1.5415u			
Sb 206.834	-3.4796u	1.6725	-1.1902u			
Se 196.026	-1.9876	-6.4618u	-3.0380u			
Sn 189.925	-2.2044u	0.3583	-1.2336u			
Sr 216.596	436.400	436.229	438.236			
Ti 334.941	-0.3313u	-0.4154u	-0.3640u			
Tl 190.794	6.3225	6.9925	6.3987			
V 292.401	-1.0431u	-0.9764u	-0.8055u			
Zn 206.200	5.3556	8.1951	7.4462			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3447	ppb	0.0873	25.3	-35.4199
Al 308.215	-11.5078	ppb	4.5354	39.4	-20.5324
As 188.980	-0.2929	ppb	1.9803	676.2	-9.9070
B 249.678	10.6418	ppb	0.4129	3.9	388.928
Ba 389.178	174.678	ppb	0.3429	0.2	3560.93
Be 313.042	-0.0813	ppb	0.0074	9.1	-275.544
Ca 370.602	46285	ppb	82.49	0.2	120589
Cd 226.502	-0.0164	ppb	0.0287	175.4	31.2907
Co 228.615	2.4707	ppb	0.7735	31.3	19.8079
Cr 267.716	0.5384	ppb	0.1465	27.2	13.5175
Cu 324.754	-0.9880	ppb	0.3590	36.3	164.772
Fe 271.441	-7.3602	ppb	1.1985	16.3	95.1255
K 766.491	11247.7	ppb	16.6342	0.1	329707
Mg 279.078	16711.6	ppb	35.5254	0.2	32694.8
Mn 257.610	4048.04	ppb	6.1282	0.2	906621
Mo 202.032	0.8213	ppb	0.0848	10.3	20.9773
Na 330.237	22554.4	ppb	198.402	0.9	1007.19
Ni 231.604	-0.0758	ppb	0.7282	960.1	-2.8112
Pb 220.353	-1.1107	ppb	1.4064	126.6	30.3120
Sb 206.834	-0.9991	ppb	2.5813	258.4	-2.1236
Se 196.026	-3.8291	ppb	2.3397	61.1	10.5468
Sn 189.925	-1.0266	ppb	1.2939	126.0	-8.0172
Sr 216.596	436.955	ppb	1.1126	0.3	4125.90
Ti 334.941	-0.3702	ppb	0.0424	11.5	-30.4196
Tl 190.794	6.5713	ppb	0.3668	5.6	-12.1161
V 292.401	-0.9417	ppb	0.1225	13.0	-19.9494
Zn 206.200	6.9990	ppb	1.4716	261.0	325.6044

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89291-c-5-b (Samp)		4/19/2013, 10:02:47 PM		Rack 2, Tube 41	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	-0.3993	-0.3954	-0.4922		
Al 308.215	-4.4261u	-2.2063u	3.3524		
As 188.980	0.9006	0.4000	0.3787		
B 249.678	-9.7278u	-9.3809u	-9.2195u		
Ba 389.178	171.278	169.799	174.332		
Be 313.042	-0.0927u	-0.0891u	-0.0980u		
Ca 370.602	62878	62454	64159		
Cd 226.502	-0.3620u	-0.2740u	-0.1642u		
Co 228.615	3.6507	3.0914	2.7693		
Cr 267.716	2.8323	2.9113	2.9026		
Cu 324.754	-1.2474u	-1.6002u	-1.4446u		
Fe 271.441	7.2895	6.7450	6.5314		
K 766.491	6078.42	6030.65	6156.05		
Mg 279.078	15395.2	15297.7	15718.5		
Mn 257.610	17773.4	17568.4	18072.5		
Mo 202.032	0.5175	0.4966	0.3568		
Na 330.237	59695.9	58905.3	60252.6		
Ni 231.604	0.9289	-1.7340u	-1.6691u		
Pb 220.353	-1.8960	-1.7746	-0.4891		
Sb 206.834	-2.9340u	-1.3036u	-5.9545u		
Se 196.026	-3.9222	3.0235	3.4908		
Sn 189.925	-0.7516u	-2.7566u	-0.2807u		
Sr 216.596	486.648	485.270	498.797		
Ti 334.941	-0.3075u	-0.2167	-0.2763u		
Tl 190.794	29.9347	33.7902	28.1641		
V 292.401	-1.2326u	-1.4607u	-1.2152u		
Zn 206.200	7.5298	7.2860	7.1675		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4290	ppb	0.0548	12.8	17.0693
Al 308.215	-1.0933	ppb	4.0069	366.5	1.4374
As 188.980	0.5598	ppb	0.2953	52.8	-9.2330
B 249.678	-9.4427	ppb	0.2597	2.8	155.497
Ba 389.178	171.803	ppb	2.3114	1.3	3500.18
Be 313.042	-0.0933	ppb	0.0045	4.8	-297.012
Ca 370.602	63164	ppb	887.8	1.4	164820
Cd 226.502	-0.2667	ppb	0.0991	37.1	22.9139
Co 228.615	3.1705	ppb	0.4460	14.1	26.4065
Cr 267.716	2.8820	ppb	0.0433	1.5	123.557
Cu 324.754	-1.4307	ppb	0.1768	12.4	142.446
Fe 271.441	6.8553	ppb	0.3909	5.7	117.725
K 766.491	6088.37	ppb	63.2878	1.0	178583
Mg 279.078	15470.5	ppb	220.268	1.4	30064.1
Mn 257.610	17804.8	ppb	253.511	1.4	3986691
Mo 202.032	0.4570	ppb	0.0874	19.1	18.4908
Na 330.237	59617.9	ppb	677.015	1.1	2571.40
Ni 231.604	-0.8247	ppb	1.5191	184.2	-4.6760
Pb 220.353	-1.3866	ppb	0.7796	56.2	32.8301
Sb 206.834	-3.3974	ppb	2.3598	69.5	-4.4350
Se 196.026	0.8640	ppb	4.1516	480.5	15.8836
Sn 189.925	-1.2630	ppb	1.3148	104.1	-8.1673
Sr 216.596	490.238	ppb	7.4437	1.5	4626.53
Ti 334.941	-0.2668	ppb	0.0462	17.3	-13.1631
Tl 190.794	30.6297	ppb	2.8767	9.4	-8.5920
V 292.401	-1.3028	ppb	0.1370	10.5	-29.2586
Zn 206.200	7.3278	ppb	0.1847	2612.5f	340.0206

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89291-c-6-b (Samp)

Weight: 1

Label

Replicates

Concentration

4/19/2013, 10:08:23 PM

Volume: 1

Rack 2, Tube 42

Dilution: 1

Ag 328.068	-0.3300u	-0.3760u	-0.2886u
Al 308.215	5.7105	3.6252	0.5720
As 188.980	1.6928	-2.8194	0.4002
B 249.678	-9.1603u	-11.3922u	-9.5699u
Ba 389.178	220.967	204.270	204.153
Be 313.042	-0.1154u	-0.1085u	-0.1151u
Ca 370.602	225490	209035	210207
Cd 226.502	-0.1988u	-0.1935u	-0.0502u
Co 228.615	4.0742	4.3624	4.2370
Cr 267.716	3.8317	2.4798	2.6788
Cu 324.754	-1.3164u	-1.1779u	-1.2652u
Fe 271.441	14.2105	10.0279	10.2436
K 766.491	8554.81	8045.42	8023.94
Mg 279.078	55144.1	51248.1	51157.1
Mn 257.610	19468.7	18047.9	18019.4
Mo 202.032	3.9734	3.8094	3.1824
Na 330.237	99972.3x	93490.8x	92707.7x
Ni 231.604	2.5177	0.2249	1.3164
Pb 220.353	4.0586	-2.4722u	-1.7454
Sb 206.834	-5.6662u	-6.6507u	0.8084
Se 196.026	1.7766	-1.4729	-1.5360
Sn 189.925	-5.7471u	-2.8099u	-1.5748u
Sr 216.596	2120.04	1976.14	1968.62
Ti 334.941	1.0404	0.7665	0.7692
Tl 190.794	32.8335	35.0270	28.7403
V 292.401	-1.3466u	-1.8031u	-1.9860u
Zn 206.200	10.1301	12.0599	8.5383

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3315b	ppb	0.0437	13.2	-41.0300
Al 308.215	3.3026b	ppb	2.5844	78.3	10.8756
As 188.980	-0.2421b	ppb	2.3237	959.8	-8.4363
B 249.678	-10.0408b	ppb	1.1882	11.8	148.547
Ba 389.178	209.797b	ppb	9.6742	4.6	4346.52
Be 313.042	-0.1130b	ppb	0.0039	3.4	-288.257
Ca 370.602	214911b	ppb	9181	4.3	559650
Cd 226.502	-0.1475b	ppb	0.0843	57.2	27.0843
Co 228.615	4.2246b	ppb	0.1445	3.4	36.2815
Cr 267.716	2.9968b	ppb	0.7299	24.4	129.400
Cu 324.754	-1.2532b	ppb	0.0700	5.6	151.492
Fe 271.441	11.4940b	ppb	2.3550	20.5	125.239
K 766.491	8208.06b	ppb	300.491	3.7	240671
Mg 279.078	52516.4b	ppb	2276.09	4.3	102476
Mn 257.610	18512.0b	ppb	828.623	4.5	4145238
Mo 202.032	3.6551b	ppb	0.4175	11.4	40.3155
Na 330.237	95390.2xb	ppb	3987.44	4.2	4081.08
Ni 231.604	1.3530b	ppb	1.1469	84.8	0.7476
Pb 220.353	-0.0530b	ppb	3.5793	6751.5	35.1976
Sb 206.834	-3.8362b	ppb	4.0523	105.6	-4.9018
Se 196.026	-0.4108b	ppb	1.8946	461.2	15.4589
Sn 189.925	-3.3773b	ppb	2.1432	63.5	-9.5919
Sr 216.596	2021.60b	ppb	85.3371	4.2	18983.8
Ti 334.941	0.8587b	ppb	0.1574	18.3	398.046
Tl 190.794	32.2003b	ppb	3.1908	9.9	-8.1108
V 292.401	-1.7119b	ppb	0.3293	19.2	-39.9423
Zn 206.200	10.2428b	ppb	1.7635	26.27.0f	3257194

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89291-c-11-d (Samp) **4/19/2013, 10:13:58 PM** **Rack 2, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	0.0340	-0.6718u	-0.3991u			
Al 308.215	-16.0076u	-23.8260u	-13.8580u			
As 188.980	-2.5800u	5.3054	2.6582			
B 249.678	-9.7381u	-10.2966u	-10.1297u			
Ba 389.178	-1.9438u	-1.9964u	-2.3447u			
Be 313.042	-0.1008u	-0.0974u	-0.1161u			
Ca 370.602	24.91	19.27	17.44			
Cd 226.502	0.0965	0.0857	-0.1316u			
Co 228.615	-0.6994u	0.4649	0.2654			
Cr 267.716	-0.1715u	-0.0205u	-0.5673u			
Cu 324.754	-1.0038u	-1.4300u	-1.5967u			
Fe 271.441	-17.8542u	-16.0075u	-10.6281u			
K 766.491	0.7356	-0.3445u	0.4848			
Mg 279.078	-26.0011u	-23.8091u	-24.2945u			
Mn 257.610	0.3330	0.2227	0.1932			
Mo 202.032	-0.7871u	0.3850	-0.4129u			
Na 330.237	172.543	114.343	-14.3033u			
Ni 231.604	-0.7387u	-0.6003u	-1.0467u			
Pb 220.353	-0.4054u	-2.6499u	-4.0620u			
Sb 206.834	-6.1098u	-3.8789u	-5.3061u			
Se 196.026	-3.0696u	-6.1481u	-7.2850u			
Sn 189.925	-2.2671u	-4.0139u	-3.2990u			
Sr 216.596	-0.1614u	-0.3907u	-0.1052u			
Ti 334.941	-0.2331u	-0.1539u	-0.2240u			
Tl 190.794	0.6463	-1.3191u	-3.1073u			
V 292.401	-0.5185u	-0.0638u	-0.1138u			
Zn 206.200	0.3125	-1.4251u	-0.3666u			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3456	ppb	0.3559	103.0	-33.6336
Al 308.215	-17.8972	ppb	5.2458	29.3	-34.0711
As 188.980	1.7945	ppb	4.0130	223.6	-9.0109
B 249.678	-10.0548	ppb	0.2867	2.9	148.395
Ba 389.178	-2.0950	ppb	0.2179	10.4	-23.4056
Be 313.042	-0.1048	ppb	0.0099	9.5	-325.164
Ca 370.602	20.54	ppb	3.894	19.0	127.3
Cd 226.502	0.0169	ppb	0.1287	762.1	32.2791
Co 228.615	0.0103	ppb	0.6227	6061.9	-3.3410
Cr 267.716	-0.2531	ppb	0.2824	111.6	-22.1072
Cu 324.754	-1.3435	ppb	0.3057	22.8	146.813
Fe 271.441	-14.8299	ppb	3.7542	25.3	82.8467
K 766.491	0.2920	ppb	0.5653	193.6	254.508
Mg 279.078	-24.7016	ppb	1.1513	4.7	36.5333
Mn 257.610	0.2496	ppb	0.0737	29.5	243.010
Mo 202.032	-0.2717	ppb	0.5987	220.4	13.5177
Na 330.237	90.8607	ppb	95.6107	105.2	59.2071
Ni 231.604	-0.7952	ppb	0.2285	28.7	-4.6030
Pb 220.353	-2.3725	ppb	1.8440	77.7	27.3381
Sb 206.834	-5.0983	ppb	1.1299	22.2	-6.0804
Se 196.026	-5.5009	ppb	2.1810	39.6	8.8423
Sn 189.925	-3.1933	ppb	0.8782	27.5	-9.5659
Sr 216.596	-0.2191	ppb	0.1512	69.0	26.8879
Ti 334.941	-0.2036	ppb	0.0433	21.3	-54.0975
Tl 190.794	-1.2600	ppb	1.8775	149.0	-13.8344
V 292.401	-0.2320	ppb	0.2494	107.5	-1.9378
Zn 206.200	-0.4930	ppb	0.8756	2637.65	325.0983

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89291-c-11-d (Samp) **4/19/2013, 10:19:34 PM** **Rack 2, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration				
Ag 328.068	-0.2550u	-0.4372u	-0.3299u			
Al 308.215	-20.1712u	-19.8480u	-20.6907u			
As 188.980	-0.0070u	-2.6721u	1.5527			
B 249.678	-12.2506u	-11.3709u	-11.2336u			
Ba 389.178	-2.5839u	-2.0808u	-2.0487u			
Be 313.042	-0.1118u	-0.1012u	-0.0957u			
Ca 370.602	-1.813u	-0.4224u	26.21			
Cd 226.502	-0.1775u	-0.2416u	-0.1794u			
Co 228.615	-0.5959u	-0.7711u	-0.7560u			
Cr 267.716	-0.2466u	-0.4807u	-0.3448u			
Cu 324.754	-1.5537u	-1.1450u	-1.2168u			
Fe 271.441	-15.4163u	-13.5281u	-2.0833u			
K 766.491	0.9456	2.0463	4.3032			
Mg 279.078	-23.3754u	-23.4492u	-15.8009u			
Mn 257.610	0.6934	1.6950	4.0706			
Mo 202.032	-0.4076u	-0.3505u	-0.3953u			
Na 330.237	111.775	40.8318	-119.521u			
Ni 231.604	-0.1977u	-1.8417u	-1.0304u			
Pb 220.353	0.0389	-1.7459u	1.2681			
Sb 206.834	-1.8800u	-6.2951u	0.5820			
Se 196.026	-5.4965u	-4.6988u	-13.3338u			
Sn 189.925	-3.1004u	0.5515	-4.5781u			
Sr 216.596	-0.9812u	-0.5816u	-0.1322u			
Ti 334.941	-0.1860u	-0.2277u	-0.2132u			
Tl 190.794	2.4349	-2.1946u	-2.8722u			
V 292.401	-0.3413u	-0.3567u	-0.2889u			
Zn 206.200	6.9191	8.9976	6.8637			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3407	ppb	0.0916	26.9	-33.2543
Al 308.215	-20.2367	ppb	0.4251	2.1	-39.0199
As 188.980	-0.3754	ppb	2.1364	569.0	-10.3557
B 249.678	-11.6184	ppb	0.5518	4.7	130.220
Ba 389.178	-2.2378	ppb	0.3001	13.4	-26.2631
Be 313.042	-0.1029	ppb	0.0082	7.9	-321.963
Ca 370.602	7.993	ppb	15.80	197.6	94.47
Cd 226.502	-0.1995	ppb	0.0364	18.3	25.1850
Co 228.615	-0.7077	ppb	0.0971	13.7	-10.0935
Cr 267.716	-0.3573	ppb	0.1175	32.9	-25.2919
Cu 324.754	-1.3052	ppb	0.2182	16.7	148.742
Fe 271.441	-10.3426	ppb	7.2148	69.8	89.9404
K 766.491	2.4317	ppb	1.7116	70.4	317.183
Mg 279.078	-20.8752	ppb	4.3946	21.1	43.9863
Mn 257.610	2.1530	ppb	1.7345	80.6	669.196
Mo 202.032	-0.3845	ppb	0.0300	7.8	12.7479
Na 330.237	11.0286	ppb	118.493	1074.4	55.7873
Ni 231.604	-1.0233	ppb	0.8220	80.3	-5.1707
Pb 220.353	-0.1463	ppb	1.5155	1035.8	31.0445
Sb 206.834	-2.5310	ppb	3.4844	137.7	-3.5928
Se 196.026	-7.8430	ppb	4.7719	60.8	7.7625
Sn 189.925	-2.3757	ppb	2.6405	111.1	-8.9901
Sr 216.596	-0.5650	ppb	0.4247	75.2	23.6480
Ti 334.941	-0.2090	ppb	0.0212	10.1	-55.3648
Tl 190.794	-0.8773	ppb	2.8884	329.2	-13.4905
V 292.401	-0.3290	ppb	0.0356	10.8	-4.3453
Zn 206.200	7.5935	ppb	1.2164	16.0	30.3592

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89291-c-11-d (Samp)		4/19/2013, 10:25:09 PM		Rack 2, Tube 45	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	48.1822	46.6542	48.0477		
Al 308.215	1943.69	1936.65	1930.79		
As 188.980	2036.87	2032.82	2016.68		
B 249.678	947.125	946.838	948.904		
Ba 389.178	2058.04	2045.45	2044.54		
Be 313.042	50.8264	50.5087	50.4506		
Ca 370.602	4975	4942	4926		
Cd 226.502	51.9114	51.4327	51.5745		
Co 228.615	527.571	519.816	521.105		
Cr 267.716	203.123	201.666	201.509		
Cu 324.754	252.753	247.066	251.613		
Fe 271.441	961.780	966.333	959.178		
K 766.491	5017.14	4988.85	5004.49		
Mg 279.078	4946.94	4916.11	4895.48		
Mn 257.610	529.069	525.944	525.617		
Mo 202.032	507.352	504.648	503.367		
Na 330.237	5649.47	5390.46	5464.84		
Ni 231.604	515.876	508.458	508.181		
Pb 220.353	491.994	491.654	487.723		
Sb 206.834	469.713	470.143	462.777		
Se 196.026	1957.97	1943.00	1955.48		
Sn 189.925	1011.72	994.787	999.845		
Sr 216.596	515.088	512.257	509.864		
Ti 334.941	979.092	973.390	972.537		
Tl 190.794	2064.91	2061.08	2052.59		
V 292.401	492.959	490.297	491.224		
Zn 206.200	513.278	508.768	507.413		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.6281	ppb	0.8461	1.8	3434.79
Al 308.215	1937.04	ppb	6.4585	0.3	4114.67
As 188.980	2028.79	ppb	10.6837	0.5	1246.98
B 249.678	947.622	ppb	1.1190	0.1	11276.6
Ba 389.178	2049.34	ppb	7.5442	0.4	41145.5
Be 313.042	50.5952	ppb	0.2023	0.4	84789.4
Ca 370.602	4948	ppb	24.76	0.5	13043
Cd 226.502	51.6395	ppb	0.2459	0.5	1729.10
Co 228.615	522.831	ppb	4.1555	0.8	4926.00
Cr 267.716	202.099	ppb	0.8900	0.4	6172.14
Cu 324.754	250.477	ppb	3.0088	1.2	12852.7
Fe 271.441	962.430	ppb	3.6219	0.4	1710.19
K 766.491	5003.49	ppb	14.1666	0.3	146805
Mg 279.078	4919.51	ppb	25.8998	0.5	9693.99
Mn 257.610	526.877	ppb	1.9053	0.4	118183
Mo 202.032	505.122	ppb	2.0345	0.4	3461.45
Na 330.237	5501.59	ppb	133.359	2.4	277.937
Ni 231.604	510.838	ppb	4.3649	0.9	1269.61
Pb 220.353	490.457	ppb	2.3737	0.5	846.428
Sb 206.834	467.544	ppb	4.1340	0.9	447.086
Se 196.026	1952.15	ppb	8.0244	0.4	911.866
Sn 189.925	1002.12	ppb	8.6941	0.9	698.347
Sr 216.596	512.403	ppb	2.6153	0.5	4805.77
Ti 334.941	975.006	ppb	3.5639	0.4	233746
Tl 190.794	2059.52	ppb	6.3065	0.3	1852.00
V 292.401	491.494	ppb	1.3513	0.3	12293.9
Zn 206.200	509.820	ppb	3.0706	0.6	325.133

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89291-c-11-e ms (Samp)	4/19/2013, 10:30:45 PM	Rack 2, Tube 46			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	26.2764	25.9120			
Al 308.215	5004.74	4975.95			
As 188.980	105.808	101.441			
B 249.678	194.607	195.390			
Ba 389.178	101.559	101.632			
Be 313.042	51.1889	51.1339			
Ca 370.602	4832	4825			
Cd 226.502	52.4450	52.7086			
Co 228.615	51.8102	52.4784			
Cr 267.716	102.331	101.875			
Cu 324.754	100.124	98.5824			
Fe 271.441	4858.20	4851.23			
K 766.491	4969.26	4978.25			
Mg 279.078	4838.25	4845.25			
Mn 257.610	529.443	529.103			
Mo 202.032	100.205	99.9011			
Na 330.237	5222.24	5327.45			
Ni 231.604	100.782	100.441			
Pb 220.353	49.1864	48.7448			
Sb 206.834	43.3915	44.5088			
Se 196.026	96.9128	97.7592			
Sn 189.925	187.907	196.071			
Sr 216.596	100.393	98.7960			
Ti 334.941	96.9293	96.9552			
Tl 190.794	40.4030	39.8804			
V 292.401	99.3187	99.7649			
Zn 206.200	104.054	103.110			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	26.1552	ppb	0.2106	0.8	1890.40
Al 308.215	4994.90	ppb	16.4188	0.3	10553.2
As 188.980	103.433	ppb	2.2083	2.1	53.9373
B 249.678	195.184	ppb	0.5070	0.3	2527.88
Ba 389.178	101.604	ppb	0.0391	0.0	2069.76
Be 313.042	51.2074	ppb	0.0843	0.2	85888.5
Ca 370.602	4831	ppb	5.596	0.1	12346
Cd 226.502	52.6060	ppb	0.1412	0.3	1769.07
Co 228.615	52.3485	ppb	0.4866	0.9	488.800
Cr 267.716	102.117	ppb	0.2291	0.2	3113.25
Cu 324.754	99.7770	ppb	1.0645	1.1	5248.42
Fe 271.441	4852.24	ppb	5.5292	0.1	7801.13
K 766.491	4980.30	ppb	12.1932	0.2	146126
Mg 279.078	4845.97	ppb	8.1047	0.2	9550.02
Mn 257.610	529.693	ppb	0.7469	0.1	118824
Mo 202.032	100.041	ppb	0.1535	0.2	697.652
Na 330.237	5219.38	ppb	109.528	2.1	273.186
Ni 231.604	100.726	ppb	0.2616	0.3	248.327
Pb 220.353	48.4926	ppb	0.8485	1.7	111.834
Sb 206.834	44.0447	ppb	0.5821	1.3	41.6684
Se 196.026	97.8331	ppb	0.9593	1.0	56.5974
Sn 189.925	193.476	ppb	4.8272	2.5	128.926
Sr 216.596	99.5747	ppb	0.7993	0.8	959.130
Ti 334.941	97.1369	ppb	0.3373	0.3	23300.0
Tl 190.794	39.4669	ppb	1.1977	3.0	22.1496
V 292.401	99.5021	ppb	0.2335	0.2	2487.39
Zn 206.200	103.737	ppb	0.5432	0.5	322.099

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89291-c-11-f msd (Samp)		4/19/2013, 10:36:21 PM		Rack 2, Tube 47	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	25.5428	26.0562	25.8994		
Al 308.215	4961.50	4951.98	4927.11		
As 188.980	100.043	99.2095	99.0595		
B 249.678	185.948	187.318	186.790		
Ba 389.178	99.4231	99.0779	100.009		
Be 313.042	51.0380	51.1269	51.1127		
Ca 370.602	4767	4778	4756		
Cd 226.502	51.8198	51.7589	51.7158		
Co 228.615	51.4722	50.9587	51.2630		
Cr 267.716	101.573	101.354	100.848		
Cu 324.754	98.6562	99.5770	98.6584		
Fe 271.441	4785.59	4815.56	4799.70		
K 766.491	4819.24	4833.50	4842.35		
Mg 279.078	4783.41	4770.15	4780.72		
Mn 257.610	523.429	524.367	523.276		
Mo 202.032	97.9034	98.3057	97.9638		
Na 330.237	5093.20	5287.56	5319.03		
Ni 231.604	99.7727	99.5116	97.7766		
Pb 220.353	48.0912	49.8268	49.7798		
Sb 206.834	46.5711	42.4367	47.0074		
Se 196.026	97.7249	96.8629	97.2312		
Sn 189.925	192.898	188.972	190.909		
Sr 216.596	99.1893	98.2760	98.0505		
Ti 334.941	96.4288	95.9965	95.9088		
Tl 190.794	39.7873	37.5840	38.2151		
V 292.401	98.6013	98.6117	98.5672		
Zn 206.200	101.459	102.838	100.879		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	25.8328	ppb	0.2631	1.0	1867.02
Al 308.215	4946.86	ppb	17.7549	0.4	10451.8
As 188.980	99.4372	ppb	0.5296	0.5	51.4615
B 249.678	186.685	ppb	0.6911	0.4	2429.17
Ba 389.178	99.5033	ppb	0.4707	0.5	2027.45
Be 313.042	51.0925	ppb	0.0478	0.1	85695.7
Ca 370.602	4767	ppb	10.67	0.2	12182
Cd 226.502	51.7648	ppb	0.0523	0.1	1741.36
Co 228.615	51.2313	ppb	0.2582	0.5	478.302
Cr 267.716	101.258	ppb	0.3721	0.4	3086.95
Cu 324.754	98.9639	ppb	0.5310	0.5	5207.37
Fe 271.441	4800.28	ppb	14.9982	0.3	7718.66
K 766.491	4831.70	ppb	11.6574	0.2	141773
Mg 279.078	4778.09	ppb	7.0118	0.1	9417.43
Mn 257.610	523.690	ppb	0.5909	0.1	117479
Mo 202.032	98.0576	ppb	0.2169	0.2	684.123
Na 330.237	5233.26	ppb	122.316	2.3	273.802
Ni 231.604	99.0203	ppb	1.0849	1.1	244.077
Pb 220.353	49.2326	ppb	0.9888	2.0	113.069
Sb 206.834	45.3384	ppb	2.5224	5.6	42.9294
Se 196.026	97.2730	ppb	0.4325	0.4	56.3380
Sn 189.925	190.926	ppb	1.9630	1.0	127.130
Sr 216.596	98.5053	ppb	0.6030	0.6	949.171
Ti 334.941	96.1114	ppb	0.2784	0.3	23053.9
Tl 190.794	38.5288	ppb	1.1346	2.9	21.3100
V 292.401	98.5934	ppb	0.0233	0.0	2464.84
Zn 206.200	101.725	ppb	1.0064	1.0	329.549

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

mb 680-273665/1-a (Samp)		4/19/2013, 10:41:57 PM		Rack 2, Tube 48		
Label	Replicates	Concentration		Dilution: 1		
Ag 328.068	-0.2858u	-0.4097u	-0.1700u			
Al 308.215	-14.2818u	-14.5477u	-12.5388u			
As 188.980	1.8330	-1.3520u	-3.5754u			
B 249.678	-3.4380u	-2.7211u	-3.4108u			
Ba 389.178	-2.6114u	-1.8614u	-1.8436u			
Be 313.042	-0.0960u	-0.1062u	-0.0986u			
Ca 370.602	-0.6657u	2.527	-0.3500u			
Cd 226.502	0.0306	-0.1495u	-0.0001			
Co 228.615	-0.9918u	-1.0087u	-0.6019u			
Cr 267.716	0.4801	0.3156	0.2582			
Cu 324.754	-1.0674u	-1.4415u	-1.3238u			
Fe 271.441	9.4671	13.2453	9.1334			
K 766.491	5.6639	6.7897	6.2013			
Mg 279.078	-11.2332u	-6.6816u	-6.2696u			
Mn 257.610	-0.3659u	-0.3833u	-0.2982u			
Mo 202.032	0.2606	0.4964	0.1589			
Na 330.237	273.682	2.2916	106.311			
Ni 231.604	-1.6513u	-1.2078u	-1.7159u			
Pb 220.353	-0.7391u	3.1410	-0.2796u			
Sb 206.834	-3.5280u	-3.8961u	-0.3689u			
Se 196.026	-4.6199u	-1.7148u	0.5542			
Sn 189.925	9.0443	10.5228	9.3979			
Sr 216.596	-0.6910u	-0.9860u	0.0715			
Ti 334.941	-0.0031u	0.0472	0.0295			
Tl 190.794	-1.7877u	-4.2146u	-1.8548u			
V 292.401	-0.3440u	-0.3679u	-0.5518u			
Zn 206.200	2.4002	0.6196	0.6303			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-0.2885	ppb	0.1199	41.6	-29.4536	
Al 308.215	-13.7894	ppb	1.0912	7.9	-25.3913	
As 188.980	-1.0315	ppb	2.7184	263.5	-10.7626	
B 249.678	-3.1899	ppb	0.4063	12.7	228.144	
Ba 389.178	-2.1055	ppb	0.4383	20.8	-23.5727	
Be 313.042	-0.1003	ppb	0.0053	5.3	-317.609	
Ca 370.602	0.5039	ppb	1.760	349.2	73.59	
Cd 226.502	-0.0397	ppb	0.0963	242.9	30.4758	
Co 228.615	-0.8675	ppb	0.2301	26.5	-11.6090	
Cr 267.716	0.3513	ppb	0.1152	32.8	-3.5993	
Cu 324.754	-1.2776	ppb	0.1913	15.0	150.151	
Fe 271.441	10.6153	ppb	2.2838	21.5	123.120	
K 766.491	6.2183	ppb	0.5631	9.1	428.098	
Mg 279.078	-8.0614	ppb	2.7545	34.2	69.0746	
Mn 257.610	-0.3491	ppb	0.0449	12.9	109.111	
Mo 202.032	0.3053	ppb	0.1732	56.7	17.4540	
Na 330.237	127.428	ppb	136.922	107.5	60.7321	
Ni 231.604	-1.5250	ppb	0.2766	18.1	-6.4199	
Pb 220.353	0.7074	ppb	2.1200	299.7	32.4645	
Sb 206.834	-2.5977	ppb	1.9389	74.6	-3.6543	
Se 196.026	-1.9268	ppb	2.5936	134.6	10.4904	
Sn 189.925	9.6550	ppb	0.7720	8.0	-0.5185	
Sr 216.596	-0.5352	ppb	0.5457	102.0	23.9330	
Ti 334.941	0.0245	ppb	0.0255	104.0	0.6675	
Tl 190.794	-2.6190	ppb	1.3822	52.8	-15.0657	
V 292.401	-0.4212	ppb	0.1137	27.0	-6.7550	
Zn 206.200	1.2167	ppb	1.0250	84.2	2.2663	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)		4/19/2013, 10:47:33 PM		Rack 2, Tube 49		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	477.353	475.417	482.310			
Al 308.215	4728.00	4700.85	4650.98			
As 188.980	466.212	459.397	459.242			
B 249.678	479.021	481.108	484.756			
Ba 389.178	5052.63	5048.13	5034.88			
Be 313.042	505.400	505.559	502.445			
Ca 370.602	4853	4885	4917			
Cd 226.502	508.455	508.405	508.240			
Co 228.615	515.289	517.309	515.938			
Cr 267.716	5020.68	4999.61	4954.90			
Cu 324.754	4999.23	5038.46	5048.72			
Fe 271.441	4842.80	4852.78	4826.25			
K 766.491	9886.28	9911.26	9883.83			
Mg 279.078	4834.09	4843.47	4846.29			
Mn 257.610	5128.73	5128.97	5135.06			
Mo 202.032	486.117	485.678	483.901			
Na 330.237	7075.14	7251.56	7246.93			
Ni 231.604	2571.75	2571.89	2572.87			
Pb 220.353	486.794	484.235	484.907			
Sb 206.834	899.290	907.582	902.333			
Se 196.026	4842.62	4856.53	4842.24			
Sn 189.925	4869.63	4907.77	4902.74			
Sr 216.596	2462.94	2457.32	2444.80			
Ti 334.941	484.144	483.372	480.247			
Tl 190.794	4977.42	4992.42	5005.19			
V 292.401	4898.64	4892.67	4884.94			
Zn 206.200	2545.92	2547.07	2561.15			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	478.360	ppb	3.5552	0.7	34692.6	95.67201
Al 308.215	4693.28	ppb	39.0675	0.8	9904.08	93.86558
As 188.980	461.617	ppb	3.9799	0.9	275.794	92.32336
B 249.678	481.628	ppb	2.9023	0.6	5856.65	19.26513Q
Ba 389.178	5045.21	ppb	9.2289	0.2	101255	100.90424
Be 313.042	504.468	ppb	1.7535	0.3	847380	100.89360
Ca 370.602	4885	ppb	31.61	0.6	12685	97.69926
Cd 226.502	508.367	ppb	0.1128	0.0	16730.3	101.67336
Co 228.615	516.179	ppb	1.0310	0.2	4863.88	103.23579
Cr 267.716	4991.73	ppb	33.5862	0.7	152782	99.83460
Cu 324.754	5028.80	ppb	26.1212	0.5	253726	100.57603
Fe 271.441	4840.61	ppb	13.3982	0.3	7890.58	96.81216
K 766.491	9893.79	ppb	15.1804	0.2	290048	98.93790
Mg 279.078	4841.28	ppb	6.3904	0.1	9472.48	96.82566
Mn 257.610	5130.92	ppb	3.5892	0.1	1149018	102.61841
Mo 202.032	485.232	ppb	1.1734	0.2	3317.73	97.04640
Na 330.237	7191.21	ppb	100.545	1.4	338.995	95.88282
Ni 231.604	2572.17	ppb	0.6112	0.0	6403.29	102.88683
Pb 220.353	485.312	ppb	1.3265	0.3	839.096	97.06237
Sb 206.834	903.068	ppb	4.1945	0.5	919.293	90.30681
Se 196.026	4847.13	ppb	8.1450	0.2	2248.13	96.94260
Sn 189.925	4893.38	ppb	20.7198	0.4	3438.45	97.86764
Sr 216.596	2455.02	ppb	9.2866	0.4	22973.2	98.20090
Ti 334.941	482.587	ppb	2.0634	0.4	115701	96.51746
Tl 190.794	4991.68	ppb	13.8986	0.3	4503.15	99.83353
V 292.401	4892.08	ppb	6.8708	0.1	122844	97.84164
Zn 206.200	2551.38	ppb	8.4825	0.3	3225.57	102.05524

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/19/2013, 10:53:09 PM		Rack 2, Tube 50		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.0455u	-0.4503u	0.1257			
Al 308.215	-12.0987u	-14.3959u	-16.8119u			
As 188.980	8.0386	-0.5802u	-1.1360u			
B 249.678	-0.3203u	-1.1560u	-1.7631u			
Ba 389.178	-0.8209u	0.4360	0.0231			
Be 313.042	0.0062	0.0445	0.0711			
Ca 370.602	-20.79u	-25.85u	-22.28u			
Cd 226.502	0.0925	0.1876	-0.0016u			
Co 228.615	-0.4821u	-0.6198u	0.3330			
Cr 267.716	0.5257	1.1440	1.3628			
Cu 324.754	0.1344	-0.0096u	0.9415			
Fe 271.441	-7.4424u	-9.2098u	-11.6890u			
K 766.491	2.0332	3.1209	3.4500			
Mg 279.078	-24.2312u	-20.8753u	-24.3594u			
Mn 257.610	0.6836	1.1085	1.5208			
Mo 202.032	0.8793	0.2206	0.6770			
Na 330.237	-37.9976u	-64.1616u	79.5053			
Ni 231.604	-0.4686u	0.3516	-1.0416u			
Pb 220.353	-2.7488u	-2.4513u	-0.9131u			
Sb 206.834	-4.4186u	0.5200	0.8470			
Se 196.026	3.0852	5.3563	-2.6937u			
Sn 189.925	1.3866	-0.5422u	1.0897			
Sr 216.596	0.2044	-0.1224u	0.1407			
Ti 334.941	0.0484	-0.0012u	0.0147			
Tl 190.794	1.3401	3.9286	2.3207			
V 292.401	0.9572	1.0654	1.3982			
Zn 206.200	1.1179	0.8574	1.2210			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1234	ppb	0.2958	239.7	-17.4859	-0.12338
Al 308.215	-14.4355	ppb	2.3568	16.3	-26.7395	-14.43550
As 188.980	2.1074	ppb	5.1440	244.1	-8.8176	2.10744
B 249.678	-1.0798	ppb	0.7244	67.1	252.687	-1.07983
Ba 389.178	-0.1206	ppb	0.6406	531.3	16.2117	-0.12059
Be 313.042	0.0406	ppb	0.0326	80.4	-81.0166	0.04059
Ca 370.602	-22.97	ppb	2.598	11.3	13.75	-22.97322
Cd 226.502	0.0928	ppb	0.0946	102.0	34.7872	0.09282
Co 228.615	-0.2563	ppb	0.5150	200.9	-5.8608	-0.25629
Cr 267.716	1.0108	ppb	0.4341	42.9	16.5793	1.01082
Cu 324.754	0.3554	ppb	0.5126	144.2	232.478	0.35542
Fe 271.441	-9.4471	ppb	2.1332	22.6	91.4371	-9.44706
K 766.491	2.8680	ppb	0.7414	25.9	329.964	2.86802
Mg 279.078	-23.1553	ppb	1.9756	8.5	39.5447	-23.15533
Mn 257.610	1.1043	ppb	0.4186	37.9	434.392	1.10429
Mo 202.032	0.5923	ppb	0.3374	57.0	19.4108	0.59230
Na 330.237	-7.5514	ppb	76.5198	1013.3	55.0409	-7.55136
Ni 231.604	-0.3862	ppb	0.7003	181.3	-3.5841	-0.38618
Pb 220.353	-2.0378	ppb	0.9852	48.3	27.8943	-2.03775
Sb 206.834	-1.0172	ppb	2.9502	290.0	-2.1273	-1.01720
Se 196.026	1.9159	ppb	4.1504	216.6	12.2632	1.91594
Sn 189.925	0.6447	ppb	1.0386	161.1	-6.8633	0.64470
Sr 216.596	0.0742	ppb	0.1733	233.4	29.6108	0.07425
Ti 334.941	0.0206	ppb	0.0253	123.0	-0.3312	0.02059
Tl 190.794	2.5298	ppb	1.3068	51.7	-10.4031	2.52981
V 292.401	1.1403	ppb	0.2298	20.2	32.4418	1.14030
Zn 206.200	1.0654	ppb	0.1874	2717.65	325	1.06544

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Ics 680-273665/2-a (Samp)		4/19/2013, 10:58:44 PM		Rack 2, Tube 51	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	8.9998	8.9790	8.9462		
Al 308.215	5001.50	5000.44	5059.38		
As 188.980	106.145	101.921	98.4110		
B 249.678	179.607	180.235	180.359		
Ba 389.178	101.277	101.195	99.5510		
Be 313.042	52.2160	51.9254	52.0700		
Ca 370.602	4967	4939	4963		
Cd 226.502	52.8491	52.9681	52.9391		
Co 228.615	52.7782	52.7354	53.3495		
Cr 267.716	103.699	103.695	104.822		
Cu 324.754	101.611	103.274	102.853		
Fe 271.441	4943.51	4907.51	4927.00		
K 766.491	4881.76	4847.66	4852.63		
Mg 279.078	4866.05	4843.43	4856.48		
Mn 257.610	538.444	536.429	537.628		
Mo 202.032	99.6256	100.500	102.027		
Na 330.237	5141.53	5032.43	4961.30		
Ni 231.604	103.269	101.467	104.514		
Pb 220.353	52.3595	46.2483	50.9355		
Sb 206.834	45.0166	45.3315	49.2554		
Se 196.026	92.8125	104.496	95.1345		
Sn 189.925	206.704	207.293	210.408		
Sr 216.596	101.359	100.822	102.243		
Ti 334.941	98.6140	98.0795	98.5005		
Tl 190.794	37.8515	38.5012	41.1384		
V 292.401	101.405	100.295	100.844		
Zn 206.200	101.606	100.075	100.934		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.9750	ppb	0.0270	0.3	642.065
Al 308.215	5020.44	ppb	33.7292	0.7	10607.2
As 188.980	102.159	ppb	3.8726	3.8	53.1479
B 249.678	180.067	ppb	0.4030	0.2	2352.12
Ba 389.178	100.674	ppb	0.9738	1.0	2051.16
Be 313.042	52.0705	ppb	0.1453	0.3	87338.8
Ca 370.602	4956	ppb	15.28	0.3	12667
Cd 226.502	52.9188	ppb	0.0621	0.1	1779.49
Co 228.615	52.9544	ppb	0.3429	0.6	494.499
Cr 267.716	104.072	ppb	0.6497	0.6	3173.13
Cu 324.754	102.579	ppb	0.8650	0.8	5389.74
Fe 271.441	4926.01	ppb	18.0218	0.4	7918.08
K 766.491	4860.68	ppb	18.4236	0.4	142622
Mg 279.078	4855.32	ppb	11.3527	0.2	9568.19
Mn 257.610	537.500	ppb	1.0135	0.2	120572
Mo 202.032	100.717	ppb	1.2152	1.2	702.263
Na 330.237	5045.09	ppb	90.7789	1.8	265.822
Ni 231.604	103.084	ppb	1.5317	1.5	254.199
Pb 220.353	49.8478	ppb	3.1975	6.4	114.089
Sb 206.834	46.5345	ppb	2.3616	5.1	44.0917
Se 196.026	97.4809	ppb	6.1849	6.3	56.4364
Sn 189.925	208.135	ppb	1.9904	1.0	139.248
Sr 216.596	101.475	ppb	0.7177	0.7	976.893
Ti 334.941	98.3980	ppb	0.2816	0.3	23602.4
Tl 190.794	39.1637	ppb	1.7407	4.4	21.8619
V 292.401	100.848	ppb	0.5552	0.6	2521.01
Zn 206.200	100.872	ppb	0.7673	0.8	325.459

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

lcs 680-273665/3-a (Samp)		4/19/2013, 11:04:20 PM		Rack 2, Tube 52	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	197.393	198.099	197.399		
Al 308.215	2108.43	2125.92	2144.00		
As 188.980	199.333	205.133	201.454		
B 249.678	362.723	363.551	365.037		
Ba 389.178	198.448	198.112	197.398		
Be 313.042	204.366	204.509	204.587		
Ca 370.602	19428	19478	19491		
Cd 226.502	202.955	203.204	202.683		
Co 228.615	206.144	204.474	202.872		
Cr 267.716	202.814	204.649	204.185		
Cu 324.754	204.075	204.177	206.550		
Fe 271.441	20035.0	20025.0	20030.2		
K 766.491	19332.1	19273.7	19273.9		
Mg 279.078	19236.4	19254.0	19271.3		
Mn 257.610	2109.07	2103.34	2104.00		
Mo 202.032	197.238	197.732	198.736		
Na 330.237	17785.5	17986.6	17751.5		
Ni 231.604	201.067	202.706	201.360		
Pb 220.353	189.471	187.206	195.338		
Sb 206.834	182.282	178.785	183.331		
Se 196.026	183.993	188.136	177.363		
Sn 189.925	210.307	212.417	208.060		
Sr 216.596	210.508	212.006	212.673		
Ti 334.941	194.613	194.825	195.433		
Tl 190.794	44.7435	41.8477	36.3480		
V 292.401	199.659	199.469	199.090		
Zn 206.200	191.824	191.316	192.902		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	197.630	ppb	0.4057	0.2	14352.7
Al 308.215	2126.12	ppb	17.7872	0.8	4500.76
As 188.980	201.973	ppb	2.9349	1.5	114.944
B 249.678	363.770	ppb	1.1727	0.3	4469.47
Ba 389.178	197.986	ppb	0.5364	0.3	4040.21
Be 313.042	204.488	ppb	0.1118	0.1	343460
Ca 370.602	19466	ppb	33.30	0.2	49463
Cd 226.502	202.947	ppb	0.2603	0.1	6736.88
Co 228.615	204.497	ppb	1.6363	0.8	1920.55
Cr 267.716	203.883	ppb	0.9538	0.5	6234.01
Cu 324.754	204.934	ppb	1.4008	0.7	10556.5
Fe 271.441	20030.0	ppb	4.9827	0.0	31866.6
K 766.491	19293.3	ppb	33.6630	0.2	565372
Mg 279.078	19253.9	ppb	17.4193	0.1	37696.5
Mn 257.610	2105.47	ppb	3.1360	0.1	471755
Mo 202.032	197.902	ppb	0.7636	0.4	1364.57
Na 330.237	17841.2	ppb	127.084	0.7	800.966
Ni 231.604	201.711	ppb	0.8743	0.4	500.121
Pb 220.353	190.672	ppb	4.1969	2.2	348.670
Sb 206.834	181.466	ppb	2.3805	1.3	175.812
Se 196.026	183.164	ppb	5.4338	3.0	96.2340
Sn 189.925	210.261	ppb	2.1789	1.0	140.754
Sr 216.596	211.729	ppb	1.1090	0.5	2011.77
Ti 334.941	194.957	ppb	0.4260	0.2	46806.1
Tl 190.794	40.9797	ppb	4.2645	10.4	20.7995
V 292.401	199.406	ppb	0.2897	0.1	4981.62
Zn 206.200	192.014	ppb	0.8097	0.4	243.862

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89421-b-1-a (Samp)		4/19/2013, 11:09:55 PM		Rack 2, Tube 53	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	3.0370	3.0278	2.4296		
Al 308.215	99529.7	100014	100021		
As 188.980	415.979	420.330	418.137		
B 249.678	29.6619u	28.9712u	27.8685u		
Ba 389.178	3860.72	3861.28	3859.93		
Be 313.042	15.4227	15.3893	15.3566		
Ca 370.602	136186	136494	136447		
Cd 226.502	29.6646	29.5234	29.1209		
Co 228.615	115.172	112.866	113.448		
Cr 267.716	479.907	482.230	482.028		
Cu 324.754	1088.68	1082.20	1077.37		
Fe 271.441	595379	595560	592027		
K 766.491	20965.1	20941.7	20974.7		
Mg 279.078	27148.0	27182.4	27148.4		
Mn 257.610	14978.7	14975.7	14956.2		
Mo 202.032	44.7481	44.2743	45.0029		
Na 330.237	2312.42u	2295.53u	2271.88u		
Ni 231.604	150.746	151.512	147.279		
Pb 220.353	4611.06	4628.51	4608.04		
Sb 206.834	27.8665	28.0588	21.7990		
Se 196.026	4.1193	15.1543	11.3951		
Sn 189.925	327.963	331.140	335.370		
Sr 216.596	852.681	856.886	853.497		
Ti 334.941	2047.75	2045.13	2047.01		
Tl 190.794	19.2719u	16.5269u	21.1944u		
V 292.401	607.117	608.873	607.073		
Zn 206.200	6256.14	6266.27	6242.72		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.8315	ppb	0.3481	12.3	226.822
Al 308.215	99854.9	ppb	281.612	0.3	210817
As 188.980	418.149	ppb	2.1752	0.5	244.017
B 249.678	28.8339	ppb	0.9046	3.1	-89.6093
Ba 389.178	3860.64	ppb	0.6755	0.0	77672.0
Be 313.042	15.3895	ppb	0.0331	0.2	25718.8
Ca 370.602	136376	ppb	165.7	0.1	315956
Cd 226.502	29.4363	ppb	0.2821	1.0	2272.00
Co 228.615	113.829	ppb	1.1996	1.1	1095.16
Cr 267.716	481.388	ppb	1.2869	0.3	14852.6
Cu 324.754	1082.75	ppb	5.6749	0.5	54978.0
Fe 271.441	594322	ppb	1989.65	0.3	941579
K 766.491	20960.5	ppb	16.9631	0.1	614206
Mg 279.078	27159.6	ppb	19.7400	0.1	53031.7
Mn 257.610	14970.2	ppb	12.2515	0.1	3353680
Mo 202.032	44.6751	ppb	0.3697	0.8	291.075
Na 330.237	2293.27	ppb	20.3636	0.9	-45.5801
Ni 231.604	149.846	ppb	2.2554	1.5	382.308
Pb 220.353	4615.87	ppb	11.0490	0.2	7715.45
Sb 206.834	25.9081	ppb	3.5599	13.7	41.2413
Se 196.026	10.2229	ppb	5.6101	54.9	16.2944
Sn 189.925	331.491	ppb	3.7160	1.1	226.144
Sr 216.596	854.355	ppb	2.2297	0.3	8251.54
Ti 334.941	2046.63	ppb	1.3507	0.1	490789
Tl 190.794	18.9977	ppb	2.3458	12.3	-42.7412
V 292.401	607.688	ppb	1.0266	0.2	15303.3
Zn 206.200	6255.05	ppb	11.8441	0.2	7936.65

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89421-b-1-a (Samp)		4/19/2013, 11:15:31 PM		Rack 2, Tube 54	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	0.0590	-0.1250u	-0.0684		
Al 308.215	21720.4	21783.3	21890.2		
As 188.980	94.0943	95.8849	88.4003		
B 249.678	-0.3019u	-1.0088u	-1.5808u		
Ba 389.178	874.523	874.341	875.878		
Be 313.042	3.3948	3.4325	3.4649		
Ca 370.602	30282	30295	30330		
Cd 226.502	6.0042	5.9700	5.9184		
Co 228.615	25.4265	26.0925	26.2945		
Cr 267.716	108.511	108.310	109.405		
Cu 324.754	228.793	230.613	233.057		
Fe 271.441	137230	137487	137538		
K 766.491	4166.81	4183.21	4180.38		
Mg 279.078	6151.52	6169.00	6152.51		
Mn 257.610	3453.16	3453.22	3452.84		
Mo 202.032	9.7235	9.8501	9.8305		
Na 330.237	591.097u	507.137u	159.721u		
Ni 231.604	34.7364	33.8180	35.0058		
Pb 220.353	1081.42	1069.01	1074.27		
Sb 206.834	8.9327	4.8403	2.0565		
Se 196.026	1.8743	8.0043	1.5153		
Sn 189.925	77.4470	74.8513	72.4298		
Sr 216.596	195.757	195.747	196.405		
Ti 334.941	463.040	464.030	466.259		
Tl 190.794	6.1178u	0.9990u	8.4670u		
V 292.401	136.931	136.849	136.893		
Zn 206.200	1459.81	1456.20	1447.71		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0448	ppb	0.0943	210.4	-4.9135
Al 308.215	21798.0	ppb	85.8127	0.4	46023.4
As 188.980	92.7932	ppb	3.9082	4.2	46.2218
B 249.678	-0.9638	ppb	0.6406	66.5	94.4918
Ba 389.178	874.914	ppb	0.8399	0.1	17617.5
Be 313.042	3.4307	ppb	0.0351	1.0	5617.48
Ca 370.602	30302	ppb	24.69	0.1	69907
Cd 226.502	5.9642	ppb	0.0432	0.7	522.121
Co 228.615	25.9378	ppb	0.4542	1.8	246.830
Cr 267.716	108.742	ppb	0.5830	0.5	3344.67
Cu 324.754	230.821	ppb	2.1395	0.9	11892.2
Fe 271.441	137418	ppb	165.190	0.1	217792
K 766.491	4176.80	ppb	8.7642	0.2	122590
Mg 279.078	6157.68	ppb	9.8227	0.2	12088.8
Mn 257.610	3453.07	ppb	0.2001	0.0	773715
Mo 202.032	9.8014	ppb	0.0681	0.7	75.5190
Na 330.237	419.318	ppb	228.704	54.5	27.3391
Ni 231.604	34.5201	ppb	0.6227	1.8	86.0643
Pb 220.353	1074.90	ppb	6.2316	0.6	1820.72
Sb 206.834	5.2765	ppb	3.4588	65.6	7.9491
Se 196.026	3.7980	ppb	3.6472	96.0	13.1753
Sn 189.925	74.9094	ppb	2.5091	3.3	45.4395
Sr 216.596	195.970	ppb	0.3772	0.2	1915.38
Ti 334.941	464.443	ppb	1.6491	0.4	111371
Tl 190.794	5.1946	ppb	3.8187	73.5	-18.9059
V 292.401	136.891	ppb	0.0415	0.0	3450.40
Zn 206.200	1454.58	ppb	6.2408	0.4	31846.19

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89421-b-1-a (Samp)		4/19/2013, 11:21:06 PM		Rack 2, Tube 55	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	50.1388	50.8363	49.8835		
Al 308.215	100073	99642.1	99668.0		
As 188.980	2415.62	2422.02	2429.46		
B 249.678	952.428	955.609	962.410		
Ba 389.178	5734.79	5728.85	5739.25		
Be 313.042	63.7337	63.6410	63.6730		
Ca 370.602	138407	138410	138223		
Cd 226.502	77.3127	76.8716	77.6685		
Co 228.615	601.152	600.244	599.798		
Cr 267.716	663.759	660.966	660.478		
Cu 324.754	1320.88	1320.24	1309.64		
Fe 271.441	582653	583544	582045		
K 766.491	26250.3	26218.6	26345.7		
Mg 279.078	31475.4	31411.3	31413.8		
Mn 257.610	15155.9	15151.0	15102.8		
Mo 202.032	527.903	525.794	526.572		
Na 330.237	7316.34	7663.40	7524.64		
Ni 231.604	635.494	630.320	631.532		
Pb 220.353	4983.67	4969.44	4978.79		
Sb 206.834	492.362	493.353	493.465		
Se 196.026	1927.14	1920.78	1936.37		
Sn 189.925	1265.68	1264.33	1270.08		
Sr 216.596	1322.68	1319.86	1317.79		
Ti 334.941	2922.19	2925.91	2924.13		
Tl 190.794	1854.17	1861.80	1875.83		
V 292.401	1073.83	1073.31	1075.27		
Zn 206.200	6592.09	6581.40	6589.53		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.2862	ppb	0.4932	1.0	3658.00
Al 308.215	99794.3	ppb	241.580	0.2	210709
As 188.980	2422.37	ppb	6.9290	0.3	1486.01
B 249.678	956.815	ppb	5.0993	0.5	10708.0
Ba 389.178	5734.30	ppb	5.2202	0.1	115270
Be 313.042	63.6826	ppb	0.0471	0.1	106792
Ca 370.602	138347	ppb	106.7	0.1	321988
Cd 226.502	77.2843	ppb	0.3992	0.5	3818.15
Co 228.615	600.398	ppb	0.6897	0.1	5681.98
Cr 267.716	661.735	ppb	1.7704	0.3	20370.4
Cu 324.754	1316.92	ppb	6.3150	0.5	66790.0
Fe 271.441	582747	ppb	754.143	0.1	923317
K 766.491	26271.5	ppb	66.1675	0.3	769774
Mg 279.078	31433.5	ppb	36.3313	0.1	61382.5
Mn 257.610	15136.6	ppb	29.3670	0.2	3390920
Mo 202.032	526.756	ppb	1.0665	0.2	3580.56
Na 330.237	7501.46	ppb	174.685	2.3	169.401
Ni 231.604	632.448	ppb	2.7062	0.4	1583.97
Pb 220.353	4977.30	ppb	7.2293	0.1	8315.85
Sb 206.834	493.060	ppb	0.6071	0.1	488.876
Se 196.026	1928.10	ppb	7.8376	0.4	900.956
Sn 189.925	1266.70	ppb	3.0052	0.2	884.688
Sr 216.596	1320.11	ppb	2.4552	0.2	12587.9
Ti 334.941	2924.08	ppb	1.8637	0.1	701148
Tl 190.794	1863.93	ppb	10.9851	0.6	1628.66
V 292.401	1074.13	ppb	1.0131	0.1	26965.9
Zn 206.200	6587.67	ppb	5.5827	0.1	8358.27

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89421-b-1-b ms (Samp)	4/19/2013, 11:26:42 PM	Rack 2, Tube 56			
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	10.2117	10.3596			
Al 308.215	117501	116720			
As 188.980	514.559	516.748			
B 249.678	212.080	210.375			
Ba 389.178	4049.78	4036.69			
Be 313.042	67.4032	67.2079			
Ca 370.602	220332	220566			
Cd 226.502	84.3043	84.2677			
Co 228.615	162.582	165.363			
Cr 267.716	568.738	565.563			
Cu 324.754	1123.17	1117.12			
Fe 271.441	1017233x	1011052x			
K 766.491	26044.3	26020.1			
Mg 279.078	46225.0	46006.2			
Mn 257.610	16911.2	16797.6			
Mo 202.032	143.818	143.505			
Na 330.237	8454.63	8552.90			
Ni 231.604	261.431	257.483			
Pb 220.353	3831.68	3806.91			
Sb 206.834	47.1391	38.9357			
Se 196.026	91.7664	105.964			
Sn 189.925	529.691	532.209			
Sr 216.596	1019.04	1012.90			
Ti 334.941	2206.36	2196.64			
Tl 190.794	51.1361u	42.7419u			
V 292.401	622.903	621.415			
Zn 206.200	6422.30	6410.26			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.4220b	ppb	0.2475	2.4	777.310
Al 308.215	116777b	ppb	697.082	0.6	246548
As 188.980	516.431b	ppb	1.7354	0.3	301.262
B 249.678	212.615b	ppb	2.5493	1.2	1557.63
Ba 389.178	4042.97b	ppb	6.5569	0.2	81473.5
Be 313.042	67.3186b	ppb	0.1003	0.1	112989
Ca 370.602	219800b	ppb	1129	0.5	505043
Cd 226.502	84.7654b	ppb	0.8305	1.0	4990.21
Co 228.615	165.091b	ppb	2.3855	1.4	1567.11
Cr 267.716	565.638b	ppb	3.0641	0.5	17500.4
Cu 324.754	1123.03b	ppb	5.8449	0.5	57137.7
Fe 271.441	1013289xb	ppb	3425.80	0.3	1605262
K 766.491	26054.5b	ppb	40.5133	0.2	763418
Mg 279.078	46091.7b	ppb	116.944	0.3	90080.8
Mn 257.610	16857.5b	ppb	57.0784	0.3	3777461
Mo 202.032	143.168b	ppb	0.8686	0.6	943.293
Na 330.237	8609.74b	ppb	190.008	2.2	115.259
Ni 231.604	261.051b	ppb	3.3948	1.3	667.557
Pb 220.353	3818.55b	ppb	12.4539	0.3	6388.05
Sb 206.834	39.7563b	ppb	7.0086	17.6	63.9304
Se 196.026	97.4796b	ppb	7.4938	7.7	54.6717
Sn 189.925	530.780b	ppb	1.2931	0.2	366.499
Sr 216.596	1015.01b	ppb	3.4917	0.3	9908.89
Ti 334.941	2199.73b	ppb	5.7486	0.3	527604
Tl 190.794	45.1218b	ppb	5.2462	11.6	-41.2050
V 292.401	622.369b	ppb	0.8282	0.1	15653.1
Zn 206.200	6417.01b	ppb	6.1531	0.1	8141.95

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89421-b-1-c msd (Samp)	4/19/2013, 11:32:17 PM	Rack 2, Tube 57
Weight: 1	Volume: 1	Dilution: 1

Label	Replicates	Concentration
Ag 328.068	12.0790	12.2869
Al 308.215	103735	103774
As 188.980	485.742	484.406
B 249.678	207.137	206.239
Ba 389.178	3814.96	3802.35
Be 313.042	65.3152	65.2557
Ca 370.602	212363	211449
Cd 226.502	80.5713	79.9943
Co 228.615	158.862	154.806
Cr 267.716	533.216	533.147
Cu 324.754	1182.03	1162.69
Fe 271.441	525031	521545
K 766.491	24285.3	24309.2
Mg 279.078	72823.7	72680.5
Mn 257.610	21018.1	20946.6
Mo 202.032	134.568	135.278
Na 330.237	6664.23	6859.72
Ni 231.604	252.997	251.968
Pb 220.353	4005.99	3999.90
Sb 206.834	46.3465	32.3998
Se 196.026	103.301	114.222
Sn 189.925	424.975	429.033
Sr 216.596	945.517	944.903
Ti 334.941	2043.68	2041.21
Tl 190.794	66.2067	75.8081
V 292.401	596.875	596.851
Zn 206.200	7049.82	7033.44
		7024.53

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.3250	ppb	0.2671	2.2	938.381
Al 308.215	103531	ppb	386.836	0.4	218583
As 188.980	486.215	ppb	2.0868	0.4	287.553
B 249.678	207.702	ppb	1.8126	0.9	2070.50
Ba 389.178	3807.46	ppb	6.6365	0.2	76692.4
Be 313.042	65.2712	ppb	0.0387	0.1	109555
Ca 370.602	211900	ppb	457.3	0.2	517270
Cd 226.502	80.3302	ppb	0.3000	0.4	3792.82
Co 228.615	155.881	ppb	2.6151	1.7	1490.91
Cr 267.716	531.711	ppb	2.5462	0.5	16399.1
Cu 324.754	1176.25	ppb	11.7865	1.0	59673.8
Fe 271.441	523225	ppb	1746.65	0.3	828962
K 766.491	24303.4	ppb	16.0235	0.1	712126
Mg 279.078	72728.1	ppb	82.8164	0.1	142013
Mn 257.610	20996.5	ppb	43.2985	0.2	4703009
Mo 202.032	134.858	ppb	0.3726	0.3	909.824
Na 330.237	6716.60	ppb	125.421	1.9	153.531
Ni 231.604	251.824	ppb	1.2519	0.5	634.897
Pb 220.353	3995.90	ppb	12.5742	0.3	6684.49
Sb 206.834	38.4727	ppb	7.1456	18.6	51.5759
Se 196.026	103.338	ppb	10.8651	10.5	61.0147
Sn 189.925	424.924	ppb	4.1336	1.0	291.967
Sr 216.596	943.177	ppb	3.5352	0.4	9061.02
Ti 334.941	2042.80	ppb	1.3814	0.1	490040
Tl 190.794	68.8356	ppb	6.0990	8.9	-2.3612
V 292.401	597.598	ppb	1.2735	0.2	15030.2
Zn 206.200	7035.93	ppb	12.8270	0.2	8927.40

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89421-a-11-d (Samp)	4/19/2013, 11:37:53 PM	Rack 2, Tube 58
Weight: 1	Volume: 1	Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	4.0970	3.9413	3.6154
Al 308.215	109522	108294	108487
As 188.980	470.888	464.999	461.045
B 249.678	44.4622u	44.5951u	45.1978u
Ba 389.178	4744.29	4741.67	4738.46
Be 313.042	15.8123	15.6800	15.6821
Ca 370.602	156208	155767	155774
Cd 226.502	36.8355	37.0123	37.5349
Co 228.615	115.308	115.917	113.483
Cr 267.716	543.209	537.149	538.435
Cu 324.754	1330.14	1328.10	1339.93
Fe 271.441	545339	545313	544770
K 766.491	22096.0	22081.6	22081.1
Mg 279.078	34090.2	34007.9	34031.5
Mn 257.610	15652.9	15647.4	15672.0
Mo 202.032	66.7371	67.0142	66.6894
Na 330.237	1517.36u	1491.20u	1571.58u
Ni 231.604	176.090	175.189	176.451
Pb 220.353	4913.62	4900.77	4901.57
Sb 206.834	19.3895	18.0313	19.3619
Se 196.026	8.5170	-1.2339	11.6784
Sn 189.925	321.979	318.373	317.774
Sr 216.596	992.772	989.991	990.555
Ti 334.941	2190.90	2179.24	2176.04
Tl 190.794	22.1408u	21.5554u	17.7220u
V 292.401	542.879	544.021	544.444
Zn 206.200	8414.34	8427.73	8442.29

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.8846	ppb	0.2458	6.3	299.288
Al 308.215	108768	ppb	660.625	0.6	229635
As 188.980	465.644	ppb	4.9528	1.1	274.109
B 249.678	44.7517	ppb	0.3920	0.9	149.719
Ba 389.178	4741.47	ppb	2.9223	0.1	95347.2
Be 313.042	15.7248	ppb	0.0758	0.5	26289.0
Ca 370.602	155916	ppb	252.6	0.2	369956
Cd 226.502	37.1276	ppb	0.3637	1.0	2424.25
Co 228.615	114.903	ppb	1.2668	1.1	1109.63
Cr 267.716	539.598	ppb	3.1927	0.6	16630.0
Cu 324.754	1332.72	ppb	6.3241	0.5	67568.7
Fe 271.441	545141	ppb	320.996	0.1	863672
K 766.491	22086.2	ppb	8.4633	0.0	647180
Mg 279.078	34043.2	ppb	42.3485	0.1	66467.6
Mn 257.610	15657.4	ppb	12.8699	0.1	3507467
Mo 202.032	66.8136	ppb	0.1754	0.3	444.475
Na 330.237	1526.71	ppb	40.9974	2.7	-80.7241
Ni 231.604	175.910	ppb	0.6503	0.4	446.303
Pb 220.353	4905.32	ppb	7.1990	0.1	8197.11
Sb 206.834	18.9276	ppb	0.7763	4.1	33.8188
Se 196.026	6.3205	ppb	6.7306	106.5	14.9090
Sn 189.925	319.375	ppb	2.2745	0.7	217.621
Sr 216.596	991.106	ppb	1.4702	0.1	9516.60
Ti 334.941	2182.06	ppb	7.8239	0.4	523277
Tl 190.794	20.4727	ppb	2.4001	11.7	-40.1751
V 292.401	543.781	ppb	0.8092	0.1	13688.0
Zn 206.200	8428.12	ppb	13.9827	0.2	10693.9

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43102-b-1-a (Samp)		4/19/2013, 11:43:29 PM		Rack 2, Tube 59	
Weight: 1	Volume: 1	Dilution: 1			
Label	Replicates	Concentration			
Ag 328.068	0.5926	0.1543u	0.0360u		
Al 308.215	3787.82	3793.44	3881.20		
As 188.980	6.4997	0.3219	-1.5322u		
B 249.678	4.6890	4.9800	4.8234		
Ba 389.178	38.4389	41.1964	43.6178		
Be 313.042	0.0172	0.0340	0.0688		
Ca 370.602	3860	3933	4017		
Cd 226.502	0.1889	0.3621	0.2589		
Co 228.615	-0.4407u	0.3649	0.0602		
Cr 267.716	3.8197	3.8236	3.9402		
Cu 324.754	119.770	120.806	120.167		
Fe 271.441	1497.49	1678.74	1987.40		
K 766.491	1353.13	1362.50	1366.31		
Mg 279.078	1324.61	1344.75	1369.39		
Mn 257.610	25.2042	32.0496	40.8855		
Mo 202.032	1.5926	1.2624	1.6263		
Na 330.237	767.891	692.821	793.458		
Ni 231.604	3.4639	2.8533	2.8343		
Pb 220.353	1.7288	5.4873	11.7853		
Sb 206.834	1.4145	-6.5475u	-3.2364u		
Se 196.026	-1.4844u	-2.6521u	-1.4038u		
Sn 189.925	15.9052	13.3180	10.7146		
Sr 216.596	480.152	480.035	482.384		
Ti 334.941	8.6433	9.1242	10.3373		
Tl 190.794	1.6058	-1.3481u	-2.4083u		
V 292.401	0.7901	1.0231	1.0102		
Zn 206.200	134.814	140.458	143.123		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2610	ppb	0.2932	112.4	-11.1453
Al 308.215	3820.82	ppb	52.3683	1.4	8070.34
As 188.980	1.7632	ppb	4.2054	238.5	-9.0147
B 249.678	4.8308	ppb	0.1456	3.0	319.366
Ba 389.178	41.0844	ppb	2.5913	6.3	846.360
Be 313.042	0.0400	ppb	0.0263	65.9	-80.7969
Ca 370.602	3937	ppb	78.89	2.0	10202
Cd 226.502	0.2700	ppb	0.0871	32.3	44.3296
Co 228.615	-0.0052	ppb	0.4068	7841.1	-3.3660
Cr 267.716	3.8612	ppb	0.0685	1.8	104.229
Cu 324.754	120.247	ppb	0.5229	0.4	6277.82
Fe 271.441	1721.21	ppb	247.703	14.4	2832.93
K 766.491	1360.64	ppb	6.7802	0.5	40101.1
Mg 279.078	1346.25	ppb	22.4269	1.7	2715.45
Mn 257.610	32.7131	ppb	7.8616	24.0	7523.87
Mo 202.032	1.4937	ppb	0.2011	13.5	25.4808
Na 330.237	751.390	ppb	52.3085	7.0	85.7368
Ni 231.604	3.0505	ppb	0.3582	11.7	5.0103
Pb 220.353	6.3338	ppb	5.0814	80.2	41.7631
Sb 206.834	-2.7898	ppb	3.9997	143.4	-3.7826
Se 196.026	-1.8467	ppb	0.6986	37.8	10.5256
Sn 189.925	13.3126	ppb	2.5953	19.5	2.0587
Sr 216.596	480.857	ppb	1.3234	0.3	4533.86
Ti 334.941	9.3683	ppb	0.8730	9.3	2246.12
Tl 190.794	-0.7169	ppb	2.0802	290.2	-13.4666
V 292.401	0.9411	ppb	0.1310	13.9	27.2065
Zn 206.200	139.465	ppb	4.2423	2793.0	325.682

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89437-a-1-b (Samp)		4/19/2013, 11:49:05 PM		Rack 2, Tube 60	
Label	Replicates	Concentration			
Ag 328.068	-2.0432u	-1.7936u	-1.8461u		
Al 308.215	31274.7	27502.1	27715.8		
As 188.980	33.5258	28.2234	28.6612		
B 249.678	-1.2187u	-1.5603u	-2.3156u		
Ba 389.178	199.600	173.821	173.520		
Be 313.042	2.6161	2.2748	2.2738		
Ca 370.602	13734	12279	12268		
Cd 226.502	4.1315	2.9519	2.8579		
Co 228.615	31.2468	26.6325	26.4345		
Cr 267.716	107.171	93.4974	93.9084		
Cu 324.754	125.668	108.068	107.430		
Fe 271.441	88931.8	77662.5	77525.5		
K 766.491	7667.20	6906.13	6885.79		
Mg 279.078	14681.3	12823.3	12813.4		
Mn 257.610	1646.84	1440.15	1436.38		
Mo 202.032	7.5468	5.8931	5.6687		
Na 330.237	820.075u	744.389u	603.643u		
Ni 231.604	97.6864	83.1241	84.5348		
Pb 220.353	209.566	179.817	179.796		
Sb 206.834	-1.0611	-1.3037	-0.4618		
Se 196.026	-6.2065u	6.1577	-9.0991u		
Sn 189.925	21.2483	16.7375	17.1023		
Sr 216.596	68.4336	59.8356	58.9645		
Ti 334.941	2383.37	2078.09	2083.34		
Tl 190.794	-1.7469u	0.5872u	2.1896u		
V 292.401	91.8301	80.1408	79.5651		
Zn 206.200	696.472	607.838	608.368		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.8943	ppb	0.1316	6.9	-142.209
Al 308.215	28830.9	ppb	2119.12	7.4	60871.6
As 188.980	30.1368	ppb	2.9431	9.8	7.8210
B 249.678	-1.6982	ppb	0.5613	33.1	150.809
Ba 389.178	182.314	ppb	14.9714	8.2	3726.25
Be 313.042	2.3882	ppb	0.1973	8.3	3864.39
Ca 370.602	12761	ppb	843.4	6.6	28209
Cd 226.502	3.3138	ppb	0.7097	21.4	315.488
Co 228.615	28.1046	ppb	2.7230	9.7	305.912
Cr 267.716	98.1924	ppb	7.7788	7.9	3010.45
Cu 324.754	113.722	ppb	10.3503	9.1	5971.97
Fe 271.441	81373.3	ppb	6546.26	8.0	129013
K 766.491	7153.04	ppb	445.391	6.2	209768
Mg 279.078	13439.3	ppb	1075.63	8.0	26341.5
Mn 257.610	1507.79	ppb	120.441	8.0	338067
Mo 202.032	6.3695	ppb	1.0257	16.1	54.8313
Na 330.237	722.703	ppb	109.833	15.2	47.7777
Ni 231.604	88.4484	ppb	8.0313	9.1	219.270
Pb 220.353	189.726	ppb	17.1818	9.1	345.722
Sb 206.834	-0.9422	ppb	0.4334	46.0	0.6432
Se 196.026	-3.0493	ppb	8.1036	265.8	9.8743
Sn 189.925	18.3627	ppb	2.5057	13.6	5.6160
Sr 216.596	62.4112	ppb	5.2337	8.4	642.228
Ti 334.941	2181.60	ppb	174.760	8.0	523038
Tl 190.794	0.3433	ppb	1.9795	576.6	-18.1333
V 292.401	83.8454	ppb	6.9210	8.3	2140.85
Zn 206.200	637.559	ppb	51.0208	8.0	809.482

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)		4/19/2013, 11:54:42 PM		Rack 3, Tube 1		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	475.927	478.282	481.271			
Al 308.215	4762.25	4804.90	4843.29			
As 188.980	460.943	466.522	467.595			
B 249.678	477.900	482.127	483.985			
Ba 389.178	5043.86	5039.21	5050.12			
Be 313.042	506.568	507.514	507.265			
Ca 370.602	4897	4927	4955			
Cd 226.502	509.128	508.533	509.361			
Co 228.615	517.110	516.736	516.936			
Cr 267.716	4992.73	4996.21	5019.22			
Cu 324.754	5000.91	4994.30	4977.91			
Fe 271.441	5033.50	5140.43	5200.04			
K 766.491	9863.25	9879.91	9908.61			
Mg 279.078	4872.13	4884.44	4893.39			
Mn 257.610	5153.62	5135.84	5169.31			
Mo 202.032	485.917	486.524	485.858			
Na 330.237	7089.93	7426.74	7039.04			
Ni 231.604	2582.90	2585.38	2582.16			
Pb 220.353	485.986	492.015	489.516			
Sb 206.834	903.613	897.121	911.217			
Se 196.026	4825.86	4846.18	4841.44			
Sn 189.925	4873.11	4923.81	4885.11			
Sr 216.596	2469.43	2464.04	2471.69			
Ti 334.941	486.034	486.203	488.825			
Tl 190.794	5005.78	4972.40	4990.23			
V 292.401	4889.98	4880.19	4893.74			
Zn 206.200	2575.00	2582.38	2578.04			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	478.493	ppb	2.6783	0.6	34702.0	95.69868
Al 308.215	4803.48	ppb	40.5393	0.8	10136.8	96.06959
As 188.980	465.020	ppb	3.5711	0.8	277.900	93.00401
B 249.678	481.337	ppb	3.1186	0.6	5852.94	19.25349Q
Ba 389.178	5044.40	ppb	5.4732	0.1	101239	100.88795
Be 313.042	507.116	ppb	0.4901	0.1	851830	101.42314
Ca 370.602	4926	ppb	28.81	0.6	12775	98.52786
Cd 226.502	509.007	ppb	0.4266	0.1	16751.9	101.80149
Co 228.615	516.927	ppb	0.1870	0.0	4871.01	103.38548
Cr 267.716	5002.72	ppb	14.3979	0.3	153119	100.05441
Cu 324.754	4991.04	ppb	11.8394	0.2	251822	99.82082
Fe 271.441	5124.66	ppb	84.3843	1.6	8340.74	102.49313
K 766.491	9883.92	ppb	22.9460	0.2	289759	98.83925
Mg 279.078	4883.32	ppb	10.6750	0.2	9554.37	97.66640
Mn 257.610	5152.92	ppb	16.7465	0.3	1153945	103.05845
Mo 202.032	486.100	ppb	0.3688	0.1	3323.64	97.22000
Na 330.237	7185.24	ppb	210.693	2.9	338.494	95.80315
Ni 231.604	2583.48	ppb	1.6859	0.1	6431.46	103.33910
Pb 220.353	489.172	ppb	3.0291	0.6	845.523	97.83445
Sb 206.834	903.984	ppb	7.0555	0.8	920.312	90.39838
Se 196.026	4837.83	ppb	10.6336	0.2	2243.84	96.75652
Sn 189.925	4894.01	ppb	26.4928	0.5	3438.90	97.88020
Sr 216.596	2468.39	ppb	3.9331	0.2	23098.2	98.73546
Ti 334.941	487.021	ppb	1.5647	0.3	116764	97.40412
Tl 190.794	4989.47	ppb	16.7011	0.3	4501.11	99.78942
V 292.401	4887.97	ppb	6.9952	0.1	122739	97.75941
Zn 206.200	2578.47	ppb	3.7081	0.6f	3259.92	103.13891

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/20/2013, 12:00:18 AM		Rack 3, Tube 2		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	-0.0944u	-0.0830u	0.1961			
Al 308.215	-15.2659u	-12.8350u	-10.7764u			
As 188.980	0.6620	-3.8201u	6.1738			
B 249.678	-1.7559u	-2.3219u	-2.8867u			
Ba 389.178	-0.9901u	-0.7505u	0.1940			
Be 313.042	-0.0234u	0.0099	0.0708			
Ca 370.602	-23.19u	-25.84u	-14.65u			
Cd 226.502	-0.1575u	-0.0441u	-0.1073u			
Co 228.615	-0.7121u	-0.2224u	-0.0155u			
Cr 267.716	0.4261	0.6538	1.4226			
Cu 324.754	-0.4627u	0.0739	-0.0148u			
Fe 271.441	-0.7865u	4.4264	31.7526			
K 766.491	0.9892	2.0723	5.1725			
Mg 279.078	-29.4103u	-22.2018u	-21.8143u			
Mn 257.610	0.4795	1.1057	2.5974			
Mo 202.032	0.2115	0.6523	0.4756			
Na 330.237	-100.707u	-18.5772u	-50.2485u			
Ni 231.604	-0.6539u	-0.7025u	0.6107			
Pb 220.353	-1.6131u	-1.0207u	-2.0824u			
Sb 206.834	4.6453	3.2929	-1.1225u			
Se 196.026	5.5481	-2.3711u	0.7828			
Sn 189.925	-2.3841u	0.8061	0.4502			
Sr 216.596	-0.7346u	0.0817	0.7997			
Ti 334.941	0.0922	0.1188	0.3201			
Tl 190.794	5.2429	4.5062	3.2939			
V 292.401	0.5832	0.4810	1.3349			
Zn 206.200	0.6640	0.0448	1.6846			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0062	ppb	0.1645	2651.5	-8.0609	0.00621
Al 308.215	-12.9591	ppb	2.2473	17.3	-23.6280	-12.95910
As 188.980	1.0053	ppb	5.0058	498.0	-9.5007	1.00527
B 249.678	-2.3215	ppb	0.5654	24.4	238.237	-2.32150
Ba 389.178	-0.5155	ppb	0.6261	121.4	8.2891	-0.51553
Be 313.042	0.0191	ppb	0.0477	249.8	-117.077	0.01911
Ca 370.602	-21.23	ppb	5.850	27.6	17.12	-21.22779
Cd 226.502	-0.1029	ppb	0.0568	55.2	28.3996	-0.10294
Co 228.615	-0.3167	ppb	0.3577	113.0	-6.4230	-0.31669
Cr 267.716	0.8342	ppb	0.5222	62.6	11.1772	0.83416
Cu 324.754	-0.1345	ppb	0.2876	213.8	207.780	-0.13453
Fe 271.441	11.7975	ppb	17.4771	148.1	125.073	11.79751
K 766.491	2.7447	ppb	2.1712	79.1	326.352	2.74469
Mg 279.078	-24.4755	ppb	4.2781	17.5	36.9616	-24.47548
Mn 257.610	1.3942	ppb	1.0880	78.0	499.346	1.39421
Mo 202.032	0.4465	ppb	0.2218	49.7	18.4154	0.44646
Na 330.237	-56.5110	ppb	41.4216	73.3	52.9708	-56.51102
Ni 231.604	-0.2486	ppb	0.7445	299.5	-3.2410	-0.24856
Pb 220.353	-1.5721	ppb	0.5321	33.8	28.6696	-1.57208
Sb 206.834	2.2719	ppb	3.0164	132.8	1.0555	2.27191
Se 196.026	1.3199	ppb	3.9868	302.0	11.9883	1.31995
Sn 189.925	-0.3759	ppb	1.7482	465.1	-7.5820	-0.37591
Sr 216.596	0.0489	ppb	0.7677	1569.5	29.3683	0.04891
Ti 334.941	0.1770	ppb	0.1246	70.4	37.1724	0.17703
Tl 190.794	4.3477	ppb	0.9841	22.6	-8.7581	4.34768
V 292.401	0.7997	ppb	0.4663	58.3	23.9055	0.79968
Zn 206.200	0.7978	ppb	0.8281	103.8f	325.7337	0.79782

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89436-a-1-b (Samp) 4/20/2013, 12:05:54 AM

Weight: 1 Volume: 1

Rack 3, Tube 3

Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	-3.2543u	-3.3438u	-3.2092u			
Al 308.215	27227.3	27369.0	27232.7			
As 188.980	22.3596	14.6809	14.1415			
B 249.678	-12.1092u	-11.7160u	-12.5859u			
Ba 389.178	-10.1750u	-9.2559u	-10.2746u			
Be 313.042	3.6647	3.6786	3.6776			
Ca 370.602	9156	9189	9162			
Cd 226.502	0.8188	0.7479	0.8075			
Co 228.615	14.3558	12.9984	13.6117			
Cr 267.716	10.8757	10.4737	10.7344			
Cu 324.754	65.5871	64.0687	64.2739			
Fe 271.441	68565.1	68984.6	68746.4			
K 766.491	1119.73	1126.85	1127.50			
Mg 279.078	10683.8	10718.1	10656.5			
Mn 257.610	2199.08	2209.97	2202.55			
Mo 202.032	5.0182	6.0377	5.5783			
Na 330.237	313.323u	691.405	255.676u			
Ni 231.604	7.8945	8.7015	7.7582			
Pb 220.353	30.3505	30.1099	31.7200			
Sb 206.834	-4.7322u	-1.1268	-4.5139u			
Se 196.026	-3.6259u	-9.1766u	-7.0801u			
Sn 189.925	17.4284	16.3608	13.2354			
Sr 216.596	25.5501	26.5548	25.0510			
Ti 334.941	506.309	509.028	508.062			
Tl 190.794	0.1043u	3.1065u	5.2863u			
V 292.401	49.3256	49.6758	49.2431			
Zn 206.200	262.235	260.158	257.739			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.2691	ppb	0.0685	2.1	-237.459
Al 308.215	27276.4	ppb	80.2963	0.3	57589.8
As 188.980	17.0607	ppb	4.5969	26.9	-0.1806
B 249.678	-12.1370	ppb	0.4356	3.6	44.3887
Ba 389.178	-9.9018	ppb	0.5616	5.7	-139.297
Be 313.042	3.6736	ppb	0.0077	0.2	6024.95
Ca 370.602	9169	ppb	17.72	0.2	19477
Cd 226.502	0.7914	ppb	0.0381	4.8	205.142
Co 228.615	13.6553	ppb	0.6798	5.0	133.921
Cr 267.716	10.6946	ppb	0.2039	1.9	329.959
Cu 324.754	64.6432	ppb	0.8238	1.3	3493.98
Fe 271.441	68765.4	ppb	210.429	0.3	109038
K 766.491	1124.69	ppb	4.3134	0.4	33189.7
Mg 279.078	10686.1	ppb	30.8681	0.3	20947.2
Mn 257.610	2203.87	ppb	5.5595	0.3	493866
Mo 202.032	5.5447	ppb	0.5106	9.2	49.8723
Na 330.237	420.134	ppb	236.689	56.3	51.3192
Ni 231.604	8.1181	ppb	0.5098	6.3	18.9591
Pb 220.353	30.7268	ppb	0.8685	2.8	82.1572
Sb 206.834	-3.4576	ppb	2.0215	58.5	-2.9084
Se 196.026	-6.6275	ppb	2.8029	42.3	8.4547
Sn 189.925	15.6749	ppb	2.1791	13.9	3.7223
Sr 216.596	25.7186	ppb	0.7660	3.0	294.840
Ti 334.941	507.800	ppb	1.3787	0.3	121776
Tl 190.794	2.8324	ppb	2.6019	91.9	-16.2299
V 292.401	49.4148	ppb	0.2297	0.5	1254.23
Zn 206.200	260.044	ppb	2.2503	0.9	330.670

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89447-c-8-b (Samp) 4/20/2013, 12:11:41 AM

Weight: 1 Volume: 1

Rack 3, Tube 4

Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	6.2652u	7.1481u	6.1951u			
Al 308.215	133325	132833	131763			
As 188.980	160.478	154.668	154.497			
B 249.678	244.761	245.747	248.569			
Ba 389.178	363.497	364.852	361.414			
Be 313.042	2.8652	2.8794	2.8841			
Ca 370.602	2423740x	2443117x	2440813x			
Cd 226.502	13.2533	13.5922	13.4584			
Co 228.615	24.4130	23.8393	25.2618			
Cr 267.716	568.786	567.248	562.914			
Cu 324.754	1157.33	1170.64	1171.68			
Fe 271.441	174433	174399	174347			
K 766.491	10686.2	10679.9	10694.9			
Mg 279.078	52553.7	52563.4	52692.9			
Mn 257.610	2243.67	2247.76	2249.26			
Mo 202.032	19.2518	18.9552	19.3833			
Na 330.237	13230.0	13805.3	13686.3			
Ni 231.604	1275.71	1282.39	1270.21			
Pb 220.353	1755.15	1760.11	1773.23			
Sb 206.834	15.6911	24.5929	24.4323			
Se 196.026	-3.9348u	-10.3074u	-12.4856u			
Sn 189.925	447.466	434.085	441.115			
Sr 216.596	40157.2x	40119.2x	40048.6x			
Ti 334.941	822.543	823.090	819.766			
Tl 190.794	-2.5087u	-4.9811u	-1.8974u			
V 292.401	136.603	136.670	137.208			
Zn 206.200	4270.23	4262.65	4280.32			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.5362b	ppb	0.5311	8.1	-1329.84
Al 308.215	132640b	ppb	798.554	0.6	280036
As 188.980	156.548b	ppb	3.4044	2.2	105.763
B 249.678	246.359b	ppb	1.9764	0.8	2925.31
Ba 389.178	363.254b	ppb	1.7320	0.5	7467.14
Be 313.042	2.8763b	ppb	0.0098	0.3	5436.27
Ca 370.602	2435890xb	ppb	10585	0.4	6326294
Cd 226.502	13.4347b	ppb	0.1707	1.3	847.901
Co 228.615	24.5047b	ppb	0.7157	2.9	240.731
Cr 267.716	566.316b	ppb	3.0448	0.5	17356.1
Cu 324.754	1166.55b	ppb	7.9999	0.7	59081.9
Fe 271.441	174393b	ppb	43.4411	0.0	276364
K 766.491	10687.0b	ppb	7.5445	0.1	313282
Mg 279.078	52603.3b	ppb	77.6810	0.1	102883
Mn 257.610	2246.90b	ppb	2.8902	0.1	504050
Mo 202.032	19.1968b	ppb	0.2193	1.1	137.869
Na 330.237	13573.8b	ppb	303.694	2.2	553.782
Ni 231.604	1276.10b	ppb	6.0962	0.5	3178.92
Pb 220.353	1762.83b	ppb	9.3431	0.5	2963.53
Sb 206.834	21.5721b	ppb	5.0937	23.6	28.9339
Se 196.026	-8.9092b	ppb	4.4435	49.9	6.8322
Sn 189.925	440.889b	ppb	6.6937	1.5	304.011
Sr 216.596	40108.3xb	ppb	55.1451	0.1	375972
Ti 334.941	821.799b	ppb	1.7823	0.2	197225
Tl 190.794	-3.1291b	ppb	1.6327	52.2	-26.5901
V 292.401	136.827b	ppb	0.3319	0.2	3425.66
Zn 206.200	4271.07b	ppb	8.8644	0.2	5418.91

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89447-c-9-b (Samp) 4/20/2013, 12:17:18 AM

Rack 3, Tube 5

Weight: 1 Volume: 1

Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	2.6887u	3.0464u	2.3811u			
Al 308.215	17534.2	17494.1	17514.3			
As 188.980	-1.0139	-13.5321	-19.4268			
B 249.678	193.374	194.501	196.150			
Ba 389.178	81.9984	81.2972	82.6574			
Be 313.042	0.1064	0.1107	0.1207			
Ca 370.602	2397016x	2404557x	2404456x			
Cd 226.502	2.1310	2.6221	2.2890			
Co 228.615	2.5833	3.0849	2.0979			
Cr 267.716	110.643	110.240	110.576			
Cu 324.754	68.3388	69.7602	69.1276			
Fe 271.441	18142.1	18119.1	18126.5			
K 766.491	6695.25	6652.91	6646.48			
Mg 279.078	79246.0	79146.4	79262.4			
Mn 257.610	391.839	390.925	391.754			
Mo 202.032	2.5477	2.2358	2.1713			
Na 330.237	42134.5	42043.2	41841.3			
Ni 231.604	17.2186	19.9016	19.7655			
Pb 220.353	173.816	169.698	171.924			
Sb 206.834	0.1122	1.4920	0.8492			
Se 196.026	-6.0501u	0.3203	-1.9538u			
Sn 189.925	8.8915	12.3886	6.5231			
Sr 216.596	36366.6x	36297.8x	36406.8x			
Ti 334.941	202.478	201.221	201.730			
Tl 190.794	-1.5674u	-1.9801u	-4.5549u			
V 292.401	47.0924	47.1076	47.4535			
Zn 206.200	22022.5	21945.2	22050.4			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.7054b	ppb	0.3329	12.3	-1461.75
Al 308.215	17514.2b	ppb	20.0432	0.1	36979.7
As 188.980	-11.3243b	ppb	9.4029	83.0	3.1476
B 249.678	194.675b	ppb	1.3961	0.7	2506.49
Ba 389.178	81.9844b	ppb	0.6802	0.8	1847.23
Be 313.042	0.1126b	ppb	0.0073	6.5	781.330
Ca 370.602	2402010xb	ppb	4325	0.2	6248440
Cd 226.502	2.3474b	ppb	0.2507	10.7	148.470
Co 228.615	2.5887b	ppb	0.4935	19.1	24.9885
Cr 267.716	110.486b	ppb	0.2159	0.2	3372.10
Cu 324.754	69.0756b	ppb	0.7121	1.0	3702.28
Fe 271.441	18129.2b	ppb	11.7602	0.1	28825.4
K 766.491	6664.88b	ppb	26.4988	0.4	195469
Mg 279.078	79218.3b	ppb	62.7900	0.1	154944
Mn 257.610	391.506b	ppb	0.5049	0.1	88369.5
Mo 202.032	2.3183b	ppb	0.2013	8.7	30.2467
Na 330.237	42006.3b	ppb	150.031	0.4	1687.83
Ni 231.604	18.9619b	ppb	1.5113	8.0	44.9853
Pb 220.353	171.813b	ppb	2.0609	1.2	316.964
Sb 206.834	0.8178b	ppb	0.6904	84.4	1.0953
Se 196.026	-2.5612b	ppb	3.2284	126.0	10.1892
Sn 189.925	9.2677b	ppb	2.9508	31.8	0.0802
Sr 216.596	36357.0xb	ppb	55.1367	0.2	340796
Ti 334.941	201.810b	ppb	0.6319	0.3	48679.4
Tl 190.794	-2.7008b	ppb	1.6189	59.9	-16.4873
V 292.401	47.2178b	ppb	0.2043	0.4	1189.66
Zn 206.200	22006.0b	ppb	54.4959	0.2	27924.3

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89447-c-10-b (Samp) 4/20/2013, 12:22:55 AM

Weight: 1 Volume: 1

Rack 3, Tube 6

Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	4.8318u	5.5273u	4.7683u			
Al 308.215	40321.4	40576.9	41055.8			
As 188.980	-12.2756	-5.9602	-6.8678			
B 249.678	230.702	232.134	232.794			
Ba 389.178	105.773	103.304	104.332			
Be 313.042	0.9257	0.9255	0.9150			
Ca 370.602	2652047x	2653696x	2676980x			
Cd 226.502	1.8001	1.8290	1.5791			
Co 228.615	4.4434	4.6229	4.5605			
Cr 267.716	168.275	168.796	170.432			
Cu 324.754	43.5319	42.7424	43.5335			
Fe 271.441	35002.9	35067.5	35075.1			
K 766.491	8124.30	8109.60	8110.12			
Mg 279.078	29152.5	29169.8	29158.0			
Mn 257.610	390.881	391.034	390.302			
Mo 202.032	7.7451	8.2294	8.2413			
Na 330.237	91101.2	90792.5	90503.4			
Ni 231.604	29.4111	29.4203	31.9453			
Pb 220.353	70.2708	69.9024	72.0085			
Sb 206.834	-5.0081u	2.6868	2.9278			
Se 196.026	-7.8439u	-7.8373u	-21.4461u			
Sn 189.925	9.5471	9.9200	10.4976			
Sr 216.596	48247.3x	48407.5x	48660.6x			
Ti 334.941	336.129	335.313	337.325			
Tl 190.794	-8.4625u	-2.9013u	-3.5116u			
V 292.401	81.3625	81.1872	82.2302			
Zn 206.200	231.992	234.707	232.649			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.0425b	ppb	0.4210	8.4	-1830.67
Al 308.215	40651.4b	ppb	372.803	0.9	85827.2
As 188.980	-8.3679b	ppb	3.4145	40.8	6.9891
B 249.678	231.877b	ppb	1.0694	0.5	2919.13
Ba 389.178	104.469b	ppb	1.2404	1.2	2189.05
Be 313.042	0.9221b	ppb	0.0062	0.7	2217.25
Ca 370.602	2660908xb	ppb	13943	0.5	6920930
Cd 226.502	1.7361b	ppb	0.1367	7.9	163.993
Co 228.615	4.5423b	ppb	0.0911	2.0	45.7741
Cr 267.716	169.168b	ppb	1.1255	0.7	5171.91
Cu 324.754	43.2693b	ppb	0.4563	1.1	2406.04
Fe 271.441	35048.5b	ppb	39.6396	0.1	55627.6
K 766.491	8114.67b	ppb	8.3403	0.1	237936
Mg 279.078	29160.1b	ppb	8.8665	0.0	57080.4
Mn 257.610	390.739b	ppb	0.3859	0.1	87963.6
Mo 202.032	8.0719b	ppb	0.2831	3.5	68.6476
Na 330.237	90799.0b	ppb	298.983	0.3	3875.15
Ni 231.604	30.2589b	ppb	1.4605	4.8	73.4422
Pb 220.353	70.7272b	ppb	1.1248	1.6	148.212
Sb 206.834	0.2022b	ppb	4.5138	2232.4	1.3785
Se 196.026	-12.3758b	ppb	7.8552	63.5	5.5692
Sn 189.925	9.9882b	ppb	0.4789	4.8	0.6918
Sr 216.596	48438.4xb	ppb	208.367	0.4	453988
Ti 334.941	336.256b	ppb	1.0115	0.3	80715.6
Tl 190.794	-4.9585b	ppb	3.0499	61.5	-19.3051
V 292.401	81.5933b	ppb	0.5585	0.7	2052.03
Zn 206.200	233.116b	ppb	1.4167	286.6f	325.097

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89447-c-11-b (Samp) 4/20/2013, 12:28:31 AM

Weight: 1 Volume: 1

Rack 3, Tube 7

Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	4.2350u	3.7422u	4.1085u			
Al 308.215	19630.0	19727.5	19788.7			
As 188.980	1.4276	0.3778	4.8569			
B 249.678	148.913	148.751	148.442			
Ba 389.178	59.4916	63.3517	60.4839			
Be 313.042	0.3668	0.3586	0.3549			
Ca 370.602	2474427x	2485598x	2474309x			
Cd 226.502	1.5353	1.2301	1.2827			
Co 228.615	6.1474	4.5653	6.4475			
Cr 267.716	104.985	105.195	105.159			
Cu 324.754	14.9239	14.8433	14.2665			
Fe 271.441	24421.4	24397.8	24421.5			
K 766.491	6659.22	6651.39	6638.10			
Mg 279.078	20046.6	20036.1	20058.1			
Mn 257.610	328.702	328.595	328.213			
Mo 202.032	9.7871	9.8151	10.1752			
Na 330.237	75571.3	75044.9	75428.8			
Ni 231.604	22.8889	21.1143	19.6048			
Pb 220.353	28.1388	26.5122	26.8774			
Sb 206.834	2.9610	1.1214	1.2984			
Se 196.026	-14.1909u	-11.8840u	-14.6959u			
Sn 189.925	10.1909	9.7760	10.0060			
Sr 216.596	42068.8x	42127.9x	42233.7x			
Ti 334.941	210.899	212.791	212.072			
Tl 190.794	-6.0439u	-12.6109u	-14.3297u			
V 292.401	55.6647	54.5909	54.4207			
Zn 206.200	95.9020	96.1530	97.6746			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.0286b	ppb	0.2559	6.4	-1603.54
Al 308.215	19715.4b	ppb	80.0340	0.4	41627.3
As 188.980	2.2208b	ppb	2.3425	105.5	11.9766
B 249.678	148.702b	ppb	0.2393	0.2	1964.98
Ba 389.178	61.1091b	ppb	2.0045	3.3	1295.92
Be 313.042	0.3601b	ppb	0.0061	1.7	1212.23
Ca 370.602	2478111xb	ppb	6484	0.3	6446025
Cd 226.502	1.3494b	ppb	0.1632	12.1	128.272
Co 228.615	5.7201b	ppb	1.0113	17.7	54.2355
Cr 267.716	105.113b	ppb	0.1119	0.1	3208.92
Cu 324.754	14.6779b	ppb	0.3586	2.4	961.623
Fe 271.441	24413.6b	ppb	13.6621	0.1	38780.8
K 766.491	6649.57b	ppb	10.6784	0.2	195021
Mg 279.078	20046.9b	ppb	11.0329	0.1	39269.5
Mn 257.610	328.504b	ppb	0.2568	0.1	73946.8
Mo 202.032	9.9258b	ppb	0.2165	2.2	81.8532
Na 330.237	75348.3b	ppb	272.234	0.4	3227.36
Ni 231.604	21.2027b	ppb	1.6438	7.8	50.6695
Pb 220.353	27.1761b	ppb	0.8534	3.1	76.1323
Sb 206.834	1.7936b	ppb	1.0149	56.6	2.0171
Se 196.026	-13.5903b	ppb	1.4991	11.0	5.0534
Sn 189.925	9.9910b	ppb	0.2079	2.1	0.6190
Sr 216.596	42143.5xb	ppb	83.5605	0.2	395003
Ti 334.941	211.921b	ppb	0.9549	0.5	50873.2
Tl 190.794	-10.9948b	ppb	4.3729	39.8	-24.2016
V 292.401	54.8921b	ppb	0.6745	1.2	1381.19
Zn 206.200	96.5765b	ppb	0.9592	1.0	325.005

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89447-c-12-b (Samp) 4/20/2013, 12:34:07 AM

Rack 3, Tube 8

Weight: 1 Volume: 1

Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	4.6446u	4.6858u	4.0068u			
Al 308.215	6598.98	6602.10	6577.42			
As 188.980	9.1819	0.1866	-13.0418			
B 249.678	318.953	320.776	320.156			
Ba 389.178	43.3130	45.7366	42.0828			
Be 313.042	-0.2996	-0.3093	-0.3056			
Ca 370.602	2498018x	2501204x	2499213x			
Cd 226.502	0.6500	0.3041	0.5610			
Co 228.615	1.8136	2.7211	2.3250			
Cr 267.716	58.2015	57.7029	58.3175			
Cu 324.754	15.9886	15.6989	15.5400			
Fe 271.441	8920.46	8897.33	8907.02			
K 766.491	10477.8	10479.9	10465.6			
Mg 279.078	30373.4	30327.1	30241.9			
Mn 257.610	74.3113	74.2269	74.0171			
Mo 202.032	12.9224	12.4565	12.8263			
Na 330.237	203141x	201753x	203344x			
Ni 231.604	10.7332	10.0538	11.1874			
Pb 220.353	12.6668	10.9435	13.5085			
Sb 206.834	3.9399	3.2516	1.9190			
Se 196.026	-4.0172u	-8.3499u	-3.5493u			
Sn 189.925	2.0222	7.0822	8.2370			
Sr 216.596	48906.9x	48772.6x	48657.9x			
Ti 334.941	64.5663	64.3898	64.0521			
Tl 190.794	-2.7484u	-4.6606u	-5.0137u			
V 292.401	55.4649	55.5995	55.8612			
Zn 206.200	18.5120	19.2390	17.9969			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.4458b	ppb	0.3807	8.6	-1869.17
Al 308.215	6592.83b	ppb	13.4439	0.2	13922.8
As 188.980	-1.2244b	ppb	11.1788	913.0	10.1789
B 249.678	319.962b	ppb	0.9271	0.3	3973.26
Ba 389.178	43.7108b	ppb	1.8591	4.3	966.417
Be 313.042	-0.3048b	ppb	0.0049	1.6	87.5751
Ca 370.602	2499478xb	ppb	1609	0.1	6502623
Cd 226.502	0.5050b	ppb	0.1796	35.6	66.8444
Co 228.615	2.2866b	ppb	0.4549	19.9	19.0197
Cr 267.716	58.0740b	ppb	0.3265	0.6	1766.94
Cu 324.754	15.7425b	ppb	0.2275	1.4	1010.72
Fe 271.441	8908.27b	ppb	11.6191	0.1	14218.6
K 766.491	10474.4b	ppb	7.6958	0.1	307056
Mg 279.078	30314.1b	ppb	66.6700	0.2	59345.7
Mn 257.610	74.1851b	ppb	0.1515	0.2	17022.3
Mo 202.032	12.7351b	ppb	0.2460	1.9	101.755
Na 330.237	202746xb	ppb	865.882	0.4	8609.20
Ni 231.604	10.6582b	ppb	0.5705	5.4	24.0991
Pb 220.353	12.3729b	ppb	1.3075	10.6	51.7357
Sb 206.834	3.0368b	ppb	1.0274	33.8	2.3886
Se 196.026	-5.3055b	ppb	2.6469	49.9	8.9008
Sn 189.925	5.7805b	ppb	3.3056	57.2	-2.3026
Sr 216.596	48779.1xb	ppb	124.668	0.3	457154
Ti 334.941	64.3360b	ppb	0.2613	0.4	15523.4
Tl 190.794	-4.1409b	ppb	1.2188	29.4	-16.9366
V 292.401	55.6418b	ppb	0.2015	0.4	1399.53
Zn 206.200	18.5826b	ppb	0.6240	3.4	24.1560

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

lcs 680-273618/3-b (Samp)		4/20/2013, 12:39:44 AM		Rack 3, Tube 9	
Label	Replicates	Concentration			
Ag 328.068	129.528	129.569	130.231		
Al 308.215	2076.26	2096.52	2078.23		
As 188.980	205.659	203.343	201.693		
B 249.678	373.888	376.327	377.798		
Ba 389.178	198.664	200.075	199.113		
Be 313.042	206.867	207.375	207.078		
Ca 370.602	25871	26153	25288		
Cd 226.502	204.820	205.234	204.057		
Co 228.615	205.113	206.545	206.500		
Cr 267.716	204.253	204.469	203.647		
Cu 324.754	202.039	203.049	202.139		
Fe 271.441	20353.8	20408.1	20377.6		
K 766.491	20311.5	20374.8	20374.8		
Mg 279.078	19778.2	19809.0	19751.4		
Mn 257.610	2120.13	2123.27	2121.01		
Mo 202.032	195.493	196.196	195.346		
Na 330.237	19000.6	18502.5	18728.4		
Ni 231.604	200.393	197.698	202.793		
Pb 220.353	196.711	197.326	196.330		
Sb 206.834	188.508	183.910	189.468		
Se 196.026	184.428	195.475	188.711		
Sn 189.925	196.214	198.966	191.417		
Sr 216.596	332.420	337.277	319.398		
Ti 334.941	195.965	196.535	196.210		
Tl 190.794	42.9721	37.0230	46.8740		
V 292.401	199.875	199.730	200.300		
Zn 206.200	194.150	197.729	197.394		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	129.776	ppb	0.3950	0.3	9417.03
Al 308.215	2083.67	ppb	11.1716	0.5	4411.09
As 188.980	203.565	ppb	1.9920	1.0	115.981
B 249.678	376.004	ppb	1.9753	0.5	4611.27
Ba 389.178	199.284	ppb	0.7209	0.4	4067.37
Be 313.042	207.106	ppb	0.2552	0.1	347862
Ca 370.602	25771	ppb	441.0	1.7	65847
Cd 226.502	204.704	ppb	0.5973	0.3	6795.24
Co 228.615	206.053	ppb	0.8138	0.4	1935.23
Cr 267.716	204.123	ppb	0.4263	0.2	6241.45
Cu 324.754	202.409	ppb	0.5565	0.3	10429.3
Fe 271.441	20379.9	ppb	27.1976	0.1	32421.0
K 766.491	20353.7	ppb	36.5326	0.2	596434
Mg 279.078	19779.5	ppb	28.8125	0.1	38723.9
Mn 257.610	2121.47	ppb	1.6172	0.1	475341
Mo 202.032	195.679	ppb	0.4540	0.2	1349.38
Na 330.237	18743.8	ppb	249.392	1.3	838.951
Ni 231.604	200.295	ppb	2.5486	1.3	496.599
Pb 220.353	196.789	ppb	0.5028	0.3	358.859
Sb 206.834	187.295	ppb	2.9708	1.6	181.488
Se 196.026	189.538	ppb	5.5695	2.9	99.1758
Sn 189.925	195.533	ppb	3.8203	2.0	130.385
Sr 216.596	329.699	ppb	9.2449	2.8	3117.50
Ti 334.941	196.237	ppb	0.2857	0.1	47114.6
Tl 190.794	42.2897	ppb	4.9608	11.7	21.9510
V 292.401	199.968	ppb	0.2966	0.1	4995.99
Zn 206.200	196.424	ppb	1.9770	2891.0	325 249.459

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

X (Samp)	4/20/2013, 12:45:31 AM			Rack 3, Tube 10	
Weight: 1	Volume: 1			Dilution: 1	
Label	Replicates	Concentration			
Ag 328.068	-0.4721u	0.2270	-0.4169u		
Al 308.215	-19.2571u	-9.7626u	-12.1100u		
As 188.980	0.0522	-4.3119u	1.0623		
B 249.678	-3.0746u	-4.4751u	-3.0077u		
Ba 389.178	-1.9030u	-2.7455u	-2.6084u		
Be 313.042	-0.0174u	0.0078	0.0039		
Ca 370.602	183.5	185.9	217.5		
Cd 226.502	-0.0768u	-0.2015u	-0.0312u		
Co 228.615	0.2381	-0.5636u	-0.4551u		
Cr 267.716	-0.3844u	0.0053	0.3808		
Cu 324.754	-1.6183u	-1.4762u	-1.0595u		
Fe 271.441	12.8358	7.9746	12.4163		
K 766.491	9.3217	11.2406	12.1873		
Mg 279.078	-15.1220u	-13.1972u	-7.4788u		
Mn 257.610	0.3790	0.5225	0.7823		
Mo 202.032	0.1621	-0.0580u	0.7536		
Na 330.237	-105.074u	219.600	155.556		
Ni 231.604	-1.5602u	-0.5074u	-1.6048u		
Pb 220.353	0.0937	1.3931	-0.9145u		
Sb 206.834	3.7044	-1.4774u	-1.6935u		
Se 196.026	-4.3399u	-4.4544u	-2.9446u		
Sn 189.925	-1.8015u	0.2684	-1.9079u		
Sr 216.596	3.5910	3.1995	3.6932		
Ti 334.941	-0.0393u	-0.0452u	-0.0419u		
Tl 190.794	0.8953	-2.4745u	-1.3598u		
V 292.401	-0.4748u	-0.2911u	-0.2857u		
Zn 206.200	-1.5413u	0.3103	-0.5635u		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2207	ppb	0.3887	176.1	-24.7129
Al 308.215	-13.7099	ppb	4.9453	36.1	-25.2246
As 188.980	-1.0658	ppb	2.8562	268.0	-10.7822
B 249.678	-3.5191	ppb	0.8285	23.5	224.316
Ba 389.178	-2.4190	ppb	0.4521	18.7	-29.8703
Be 313.042	-0.0019	ppb	0.0136	726.6	-152.176
Ca 370.602	195.6	ppb	18.98	9.7	581.0
Cd 226.502	-0.1031	ppb	0.0882	85.5	28.3976
Co 228.615	-0.2602	ppb	0.4349	167.2	-5.8858
Cr 267.716	0.0006	ppb	0.3826	66081.1	-14.3354
Cu 324.754	-1.3847	ppb	0.2904	21.0	144.750
Fe 271.441	11.0756	ppb	2.6937	24.3	123.877
K 766.491	10.9165	ppb	1.4600	13.4	565.716
Mg 279.078	-11.9327	ppb	3.9754	33.3	61.4945
Mn 257.610	0.5613	ppb	0.2044	36.4	312.939
Mo 202.032	0.2859	ppb	0.4197	146.8	17.3216
Na 330.237	90.0274	ppb	171.971	191.0	59.1645
Ni 231.604	-1.2242	ppb	0.6211	50.7	-5.6706
Pb 220.353	0.1908	ppb	1.1568	606.4	31.6047
Sb 206.834	0.1778	ppb	3.0560	1718.4	-0.9743
Se 196.026	-3.9130	ppb	0.8406	21.5	9.5746
Sn 189.925	-1.1470	ppb	1.2269	107.0	-8.1249
Sr 216.596	3.4946	ppb	0.2606	7.5	61.7010
Ti 334.941	-0.0421	ppb	0.0030	7.0	-15.3172
Tl 190.794	-0.9797	ppb	1.7168	175.2	-13.5823
V 292.401	-0.3505	ppb	0.1077	30.7	-4.9510
Zn 206.200	-0.5982	ppb	0.9263	294.8	3.25

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

X (Samp)	4/20/2013, 12:51:08 AM			Rack 3, Tube 11
Weight: 1	Volume: 1			Dilution: 1

Label	Replicates	Concentration			
Ag 328.068	-0.0695u	-0.6185u	-0.5087u		
Al 308.215	-17.7593u	-20.5708u	-16.9704u		
As 188.980	-0.0238u	3.5099	-0.8522u		
B 249.678	-9.0594u	-8.9990u	-9.1071u		
Ba 389.178	-2.2095u	-1.6879u	-1.3538u		
Be 313.042	-0.0910u	-0.0929u	-0.0942u		
Ca 370.602	39.94	37.22	66.39		
Cd 226.502	-0.0773u	-0.0950u	-0.0276u		
Co 228.615	-0.0350u	-0.2504u	-0.1002u		
Cr 267.716	-0.3189u	-0.5718u	-0.0248u		
Cu 324.754	-1.5976u	-1.5425u	-1.5196u		
Fe 271.441	-11.9670u	-9.2798u	-13.9577u		
K 766.491	-1.2434u	-2.0031u	-1.9881u		
Mg 279.078	-27.0044u	-26.3130u	-25.4260u		
Mn 257.610	-0.6185u	-0.5694u	-0.5066u		
Mo 202.032	0.0621	-0.2697u	0.0580		
Na 330.237	-252.524u	-48.5637u	-46.2306u		
Ni 231.604	-2.7508u	-1.6955u	-1.9453u		
Pb 220.353	-2.3426u	-0.7239u	-1.4462u		
Sb 206.834	-2.2037u	-3.7883u	0.3818		
Se 196.026	-4.9508u	-1.1471u	1.1043		
Sn 189.925	1.3247	-1.6377u	1.8388		
Sr 216.596	0.5380	0.8168	1.2265		
Ti 334.941	-0.2439u	-0.1934u	-0.2074u		
Tl 190.794	-1.9359u	0.5476	-3.3546u		
V 292.401	-0.2622u	-0.7232u	-0.8542u		
Zn 206.200	-0.0817u	0.3189	1.2128		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3989	ppb	0.2905	72.8	-37.5410
Al 308.215	-18.4335	ppb	1.8925	10.3	-35.2033
As 188.980	0.8780	ppb	2.3167	263.9	-9.5786
B 249.678	-9.0552	ppb	0.0542	0.6	160.007
Ba 389.178	-1.7504	ppb	0.4312	24.6	-16.4982
Be 313.042	-0.0927	ppb	0.0016	1.7	-304.816
Ca 370.602	47.85	ppb	16.11	33.7	198.1
Cd 226.502	-0.0666	ppb	0.0350	52.5	29.5479
Co 228.615	-0.1286	ppb	0.1104	85.9	-4.6460
Cr 267.716	-0.3051	ppb	0.2738	89.7	-23.7020
Cu 324.754	-1.5532	ppb	0.0401	2.6	136.244
Fe 271.441	-11.7348	ppb	2.3476	20.0	87.7390
K 766.491	-1.7449	ppb	0.4343	24.9	194.846
Mg 279.078	-26.2478	ppb	0.7912	3.0	33.5236
Mn 257.610	-0.5648	ppb	0.0561	9.9	60.6586
Mo 202.032	-0.0499	ppb	0.1904	381.8	15.0319
Na 330.237	-115.773	ppb	118.436	102.3	50.4795
Ni 231.604	-2.1305	ppb	0.5515	25.9	-7.9283
Pb 220.353	-1.5042	ppb	0.8109	53.9	28.7833
Sb 206.834	-1.8701	ppb	2.1050	112.6	-2.9555
Se 196.026	-1.6645	ppb	3.0606	183.9	10.6115
Sn 189.925	0.5086	ppb	1.8764	368.9	-6.9592
Sr 216.596	0.8604	ppb	0.3463	40.2	37.0172
Ti 334.941	-0.2149	ppb	0.0261	12.1	-56.7808
Tl 190.794	-1.5809	ppb	1.9752	124.9	-14.1243
V 292.401	-0.6132	ppb	0.3110	50.7	-11.5311
Zn 206.200	0.4833	ppb	0.6627	2937.65	3253370

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

CRI (Samp)	4/20/2013, 12:56:44 AM		Rack 3, Tube 12		
Weight: 1	Volume: 1		Dilution: 1		
Label	Replicates	Concentration			
Ag 328.068	9.6992	9.6870	9.5940		
Al 308.215	202.830	205.177	202.226		
As 188.980	20.9267	22.8622	20.3927		
B 249.678	85.8565	84.8604	84.7624		
Ba 389.178	9.7999	7.6070	8.4873		
Be 313.042	4.2355	4.2085	4.1864		
Ca 370.602	634.7	619.4	617.5		
Cd 226.502	5.2717	5.1913	5.3106		
Co 228.615	9.8644	10.6957	10.3355		
Cr 267.716	10.4238	10.8771	10.2639		
Cu 324.754	19.1959	18.7760	18.9756		
Fe 271.441	66.8308	60.3225	54.8769		
K 766.491	1007.25	995.539	996.043		
Mg 279.078	494.736	489.066	486.648		
Mn 257.610	12.0431	11.9186	11.8477		
Mo 202.032	9.9587	10.0176	9.7655		
Na 330.237	1081.52	1007.51	892.134		
Ni 231.604	46.2305	45.7194	46.5511		
Pb 220.353	11.0728	9.1817	8.9990		
Sb 206.834	18.6577	14.8084	17.5285		
Se 196.026	15.8396	18.1490	14.3100		
Sn 189.925	49.3311	48.0118	51.5940		
Sr 216.596	12.4799	11.5915	11.9395		
Ti 334.941	9.8722	9.7821	9.7877		
Tl 190.794	16.6507	23.9957	19.4172		
V 292.401	9.9086	9.7833	9.9847		
Zn 206.200	23.6683	24.0227	23.0076		
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.6601	ppb	0.0576	0.6	692.981
Al 308.215	203.411	ppb	1.5588	0.8	433.579
As 188.980	21.3939	ppb	1.2993	6.1	3.1362
B 249.678	85.1597	ppb	0.6054	0.7	1254.82
Ba 389.178	8.6314	ppb	1.1035	12.8	193.022
Be 313.042	4.2101	ppb	0.0246	0.6	6924.36
Ca 370.602	623.9	ppb	9.421	1.5	1694
Cd 226.502	5.2579	ppb	0.0609	1.2	204.486
Co 228.615	10.2985	ppb	0.4169	4.0	93.4625
Cr 267.716	10.5216	ppb	0.3181	3.0	307.715
Cu 324.754	18.9825	ppb	0.2100	1.1	1171.82
Fe 271.441	60.6767	ppb	5.9848	9.9	204.081
K 766.491	999.610	ppb	6.6195	0.7	29525.9
Mg 279.078	490.150	ppb	4.1517	0.8	1042.82
Mn 257.610	11.9364	ppb	0.0989	0.8	2862.74
Mo 202.032	9.9139	ppb	0.1319	1.3	83.0038
Na 330.237	993.720	ppb	95.4407	9.6	97.0811
Ni 231.604	46.1670	ppb	0.4195	0.9	112.355
Pb 220.353	9.7512	ppb	1.1482	11.8	47.4963
Sb 206.834	16.9982	ppb	1.9787	11.6	15.3123
Se 196.026	16.0995	ppb	1.9326	12.0	18.8071
Sn 189.925	49.6456	ppb	1.8117	3.6	27.6421
Sr 216.596	12.0036	ppb	0.4477	3.7	140.432
Ti 334.941	9.8140	ppb	0.0505	0.5	2349.32
Tl 190.794	20.0212	ppb	3.7096	18.5	5.4253
V 292.401	9.8922	ppb	0.1017	1.0	250.782
Zn 206.200	23.5662	ppb	0.5152	2.2	30.6008

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Verif (CCV)		4/20/2013, 1:02:21 AM		Rack 3, Tube 13		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	472.453	482.630	472.506			
Al 308.215	4825.43	4859.50	4772.70			
As 188.980	467.799	453.959	462.617			
B 249.678	478.295	481.195	478.505			
Ba 389.178	5037.03	5045.59	4986.32			
Be 313.042	506.598	508.882	500.934			
Ca 370.602	4874	4902	4856			
Cd 226.502	502.866	505.126	498.651			
Co 228.615	509.439	512.650	506.407			
Cr 267.716	5047.14	5082.76	5006.65			
Cu 324.754	4921.33	5010.95	4846.90			
Fe 271.441	4841.52	4855.91	4793.01			
K 766.491	9856.10	9862.88	9805.01			
Mg 279.078	4849.20	4870.43	4798.02			
Mn 257.610	5098.80	5128.07	5065.95			
Mo 202.032	483.668	487.476	480.144			
Na 330.237	7038.15	6970.81	7211.86			
Ni 231.604	2559.52	2568.02	2542.52			
Pb 220.353	487.311	483.136	479.469			
Sb 206.834	906.192	911.404	898.697			
Se 196.026	4787.05	4822.16	4766.01			
Sn 189.925	4902.57	4960.00	4893.98			
Sr 216.596	2465.46	2476.18	2438.77			
Ti 334.941	484.723	486.719	480.787			
Tl 190.794	4937.11	4945.54	4899.22			
V 292.401	4866.69	4876.08	4818.50			
Zn 206.200	2544.53	2558.52	2514.03			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	475.863	ppb	5.8602	1.2	34512.4	95.17258
Al 308.215	4819.21	ppb	43.7373	0.9	10170.0	96.38422
As 188.980	461.459	ppb	6.9924	1.5	275.697	92.29170
B 249.678	479.332	ppb	1.6173	0.3	5830.00	19.17327Q
Ba 389.178	5022.98	ppb	32.0369	0.6	100809	100.45958
Be 313.042	505.471	ppb	4.0921	0.8	849068	101.09422
Ca 370.602	4877	ppb	22.95	0.5	12665	97.54582
Cd 226.502	502.214	ppb	3.2859	0.7	16528.2	100.44283
Co 228.615	509.499	ppb	3.1221	0.6	4800.97	101.89976
Cr 267.716	5045.52	ppb	38.0852	0.8	154429	100.91031
Cu 324.754	4926.40	ppb	82.1447	1.7	248563	98.52790
Fe 271.441	4830.15	ppb	32.9575	0.7	7873.22	96.60297
K 766.491	9841.33	ppb	31.6368	0.3	288512	98.41328
Mg 279.078	4839.22	ppb	37.2252	0.8	9468.94	96.78432
Mn 257.610	5097.61	ppb	31.0786	0.6	1141559	101.95214
Mo 202.032	483.763	ppb	3.6669	0.8	3307.77	96.75252
Na 330.237	7073.61	ppb	124.376	1.8	334.139	94.31480
Ni 231.604	2556.69	ppb	12.9846	0.5	6364.73	102.26757
Pb 220.353	483.306	ppb	3.9236	0.8	835.760	96.66112
Sb 206.834	905.431	ppb	6.3872	0.7	921.345	90.54311
Se 196.026	4791.74	ppb	28.3676	0.6	2222.57	95.83478
Sn 189.925	4918.85	ppb	35.8980	0.7	3456.39	98.37700
Sr 216.596	2460.14	ppb	19.2637	0.8	23021.5	98.40549
Ti 334.941	484.076	ppb	3.0186	0.6	116058	96.81525
Tl 190.794	4927.29	ppb	24.6710	0.5	4444.87	98.54587
V 292.401	4853.75	ppb	30.8908	0.6	121881	97.07510
Zn 206.200	2539.03	ppb	22.7487	0.8	3209.97	101.56116

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/20/2013, 1:07:57 AM		Rack 3, Tube 14		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	-0.5884u	-0.1836u	0.3248			
Al 308.215	-12.5969u	-18.9737u	-9.7290u			
As 188.980	0.2659	-2.8317u	5.1222			
B 249.678	-2.6422u	-3.6907u	-2.4568u			
Ba 389.178	-1.3621u	-1.1408u	1.9451			
Be 313.042	-0.0245u	0.0437	0.2972			
Ca 370.602	-9.747u	3.875	118.4			
Cd 226.502	-0.1837u	-0.0601u	0.3639			
Co 228.615	-0.7027u	-0.3404u	-0.0131u			
Cr 267.716	0.2172	0.8192	3.2276			
Cu 324.754	-0.7908u	-0.7327u	1.8846			
Fe 271.441	-8.5072u	-3.9928u	2.3300			
K 766.491	0.7626	2.2809	10.5279			
Mg 279.078	-24.2829u	-27.1837u	-15.3401u			
Mn 257.610	0.1685	0.9312	4.2653			
Mo 202.032	0.3128	-0.2979u	0.0452			
Na 330.237	-29.8160u	-31.9216u	2.7306			
Ni 231.604	-0.2052u	-1.2772u	1.1511			
Pb 220.353	-1.1664u	-1.5342u	-1.6790u			
Sb 206.834	6.2373	-1.5945u	3.0649			
Se 196.026	-1.1093u	-5.2184u	4.0560			
Sn 189.925	-0.4584u	-1.4345u	-0.5572u			
Sr 216.596	0.0650	0.4501	4.2184			
Ti 334.941	-0.0607u	-0.0084u	0.2667			
Tl 190.794	3.9290	-0.4539u	3.5608			
V 292.401	0.4774	1.1239	3.1111			
Zn 206.200	1.6595	-0.4479u	1.6928			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1491	ppb	0.4576	307.0	-19.4043	-0.14906
Al 308.215	-13.7665	ppb	4.7320	34.4	-25.3492	-13.76652
As 188.980	0.8522	ppb	4.0092	470.5	-9.5949	0.85217
B 249.678	-2.9299	ppb	0.6653	22.7	231.183	-2.92989
Ba 389.178	-0.1860	ppb	1.8488	994.3	14.9037	-0.18595
Be 313.042	0.1055	ppb	0.1695	160.7	28.0626	0.10546
Ca 370.602	37.52	ppb	70.41	187.6	170.9	37.52229
Cd 226.502	0.0400	ppb	0.2872	717.9	33.0621	0.04000
Co 228.615	-0.3521	ppb	0.3450	98.0	-6.7495	-0.35208
Cr 267.716	1.4213	ppb	1.5929	112.1	29.1453	1.42131
Cu 324.754	0.1204	ppb	1.5282	1269.7	220.612	0.12036
Fe 271.441	-3.3900	ppb	5.4437	160.6	100.987	-3.39000
K 766.491	4.5238	ppb	5.2548	116.2	378.463	4.52377
Mg 279.078	-22.2689	ppb	6.1733	27.7	41.2676	-22.26892
Mn 257.610	1.7883	ppb	2.1787	121.8	587.561	1.78831
Mo 202.032	0.0200	ppb	0.3061	1528.9	15.5046	0.02002
Na 330.237	-19.6690	ppb	19.4272	98.8	54.5288	-19.66903
Ni 231.604	-0.1104	ppb	1.2170	1102.1	-2.8973	-0.11042
Pb 220.353	-1.4599	ppb	0.2643	18.1	28.8570	-1.45986
Sb 206.834	2.5692	ppb	3.9394	153.3	1.3532	2.56924
Se 196.026	-0.7573	ppb	4.6472	613.7	11.0304	-0.75726
Sn 189.925	-0.8167	ppb	0.5373	65.8	-7.8924	-0.81669
Sr 216.596	1.5779	ppb	2.2949	145.4	43.7007	1.57785
Ti 334.941	0.0659	ppb	0.1759	267.0	10.5321	0.06587
Tl 190.794	2.3453	ppb	2.4312	103.7	-10.5711	2.34529
V 292.401	1.5708	ppb	1.3725	87.4	43.3266	1.57080
Zn 206.200	0.9682	ppb	1.2264	294.67	325.9481	0.96816

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

mb 680-273503/1-a (Samp)		4/20/2013, 1:13:33 AM		Rack 3, Tube 15		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-0.6394u	-0.5239u	-0.0931u			
Al 308.215	-15.1773u	-15.2130u	-15.0903u			
As 188.980	-1.7448u	2.5794	3.6662			
B 249.678	-8.4331u	-9.0437u	-9.2239u			
Ba 389.178	-1.1704u	-1.1756u	-1.4142u			
Be 313.042	-0.0236u	-0.0315u	-0.0183u			
Ca 370.602	2.855	2.002	9.980			
Cd 226.502	-0.0747u	0.1153	-0.1393u			
Co 228.615	-0.0972u	-0.2252u	-0.5767u			
Cr 267.716	0.4959	0.6170	0.5972			
Cu 324.754	-0.2652u	-1.2685u	-0.8795u			
Fe 271.441	-10.8252u	-12.6253u	-5.0341u			
K 766.491	0.3328	-0.2143u	1.3424			
Mg 279.078	-20.2907u	-19.5625u	-21.3626u			
Mn 257.610	6.2370	6.2973	6.4198			
Mo 202.032	0.4329	0.0861	-0.0844u			
Na 330.237	-116.630u	-170.525u	1.4302			
Ni 231.604	-0.1168u	-1.6287u	0.3260			
Pb 220.353	0.7623	-2.6860u	-1.4684u			
Sb 206.834	0.8304	-5.8270u	-1.0078u			
Se 196.026	-4.3796u	-2.4392u	-3.3870u			
Sn 189.925	-2.3363u	-0.2972u	-2.8988u			
Sr 216.596	-0.0604u	0.0494	0.5312			
Ti 334.941	-0.0981u	-0.1137u	-0.0925u			
Tl 190.794	2.2829	1.3543	4.5602			
V 292.401	-0.0326u	0.2994	0.2341			
Zn 206.200	-0.7068u	1.0579	0.5253			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-0.4188	ppb	0.2879	68.7	-38.9301	
Al 308.215	-15.1602	ppb	0.0631	0.4	-28.2822	
As 188.980	1.5002	ppb	2.8624	190.8	-9.1935	
B 249.678	-8.9002	ppb	0.4144	4.7	161.806	
Ba 389.178	-1.2534	ppb	0.1393	11.1	-6.5120	
Be 313.042	-0.0244	ppb	0.0066	27.2	-190.201	
Ca 370.602	4.945	ppb	4.380	88.6	86.55	
Cd 226.502	-0.0329	ppb	0.1323	402.5	30.6586	
Co 228.615	-0.2997	ppb	0.2483	82.9	-6.2612	
Cr 267.716	0.5700	ppb	0.0650	11.4	3.1049	
Cu 324.754	-0.8044	ppb	0.5058	62.9	174.000	
Fe 271.441	-9.4948	ppb	3.9666	41.8	91.2820	
K 766.491	0.4870	ppb	0.7897	162.2	260.220	
Mg 279.078	-20.4053	ppb	0.9055	4.4	44.8430	
Mn 257.610	6.3180	ppb	0.0931	1.5	1601.74	
Mo 202.032	0.1448	ppb	0.2636	182.0	16.3591	
Na 330.237	-95.2417	ppb	87.9504	92.3	51.3460	
Ni 231.604	-0.4732	ppb	1.0249	216.6	-3.8007	
Pb 220.353	-1.1307	ppb	1.7488	154.7	29.4061	
Sb 206.834	-2.0015	ppb	3.4382	171.8	-3.0799	
Se 196.026	-3.4019	ppb	0.9703	28.5	9.8117	
Sn 189.925	-1.8441	ppb	1.3688	74.2	-8.6159	
Sr 216.596	0.1734	ppb	0.3147	181.4	30.5421	
Ti 334.941	-0.1014	ppb	0.0110	10.8	-29.5702	
Tl 190.794	2.7325	ppb	1.6495	60.4	-10.2269	
V 292.401	0.1670	ppb	0.1759	105.3	8.0229	
Zn 206.200	0.2922	ppb	0.9052	299.85	325.0927	

E04192013.wqg. All Data Report 4/21/2013, 6:51:06 AM

680-89257-a-2-a^10 (Samp) 4/20/2013, 1:19:10 AM

Rack 3, Tube 16

Weight: 1 **Volume:** 1

Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	56.4269	55.6176	55.6707
Al 308.215	120503	118073	117629
As 188.980	1.2659	-0.8065u	3.0646
B 249.678	145709x	145104x	144573x
Ba 389.178	2.8441	3.2592	2.4791
Be 313.042	1.3221	1.3041	1.2756
Ca 370.602	2431	2392	2388
Cd 226.502	0.4398	0.5304	0.7971
Co 228.615	0.6859	0.4912	0.3406
Cr 267.716	6.5547	6.4932	6.4268
Cu 324.754	42.2582	41.5080	41.2866
Fe 271.441	131.877	137.162	133.090
K 766.491	175070x	173948x	172085x
Mg 279.078	316.833	319.858	313.138
Mn 257.610	3.7585	3.7440	3.9020
Mo 202.032	0.1105	0.7408	0.3753
Na 330.237	1302127x	1281279x	1290664x
Ni 231.604	7.0468	7.2033	4.5578
Pb 220.353	56.9410	56.4746	50.9975
Sb 206.834	-0.7600u	6.6661	-0.7793u
Se 196.026	14.3496	14.5874	9.6654
Sn 189.925	1.6652	0.5841	4.2186
Sr 216.596	14.3430	15.9117	15.4477
Ti 334.941	0.6165	0.6346	0.7039
Tl 190.794	0.0646	-6.2088u	-5.5060u
V 292.401	0.4192	0.7303	0.3520u
Zn 206.200	5166.16	5118.14	5104.72

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	55.9051b	ppb	0.4527	0.8	4053.62
Al 308.215	118735b	ppb	1547.02	1.3	250679
As 188.980	1.1746b	ppb	1.9372	164.9	-9.3763
B 249.678	145129xb	ppb	568.787	0.4	1686840
Ba 389.178	2.8608b	ppb	0.3903	13.6	76.7900
Be 313.042	1.3006b	ppb	0.0235	1.8	1916.34
Ca 370.602	2404b	ppb	23.64	1.0	6318
Cd 226.502	0.5891b	ppb	0.1857	31.5	45.5255
Co 228.615	0.5059b	ppb	0.1731	34.2	1.4311
Cr 267.716	6.4916b	ppb	0.0640	1.0	198.577
Cu 324.754	41.6843b	ppb	0.5092	1.2	2316.28
Fe 271.441	134.043b	ppb	2.7686	2.1	318.691
K 766.491	173701xb	ppb	1507.84	0.9	5088181
Mg 279.078	316.610b	ppb	3.3658	1.1	672.889
Mn 257.610	3.8015b	ppb	0.0874	2.3	1034.24
Mo 202.032	0.4089b	ppb	0.3165	77.4	18.1541
Na 330.237	1291357xb	ppb	10441.4	0.8	54523.6
Ni 231.604	6.2693b	ppb	1.4843	23.7	13.0378
Pb 220.353	54.8044b	ppb	3.3051	6.0	120.482
Sb 206.834	1.7090b	ppb	4.2930	251.2	0.5788
Se 196.026	12.8675b	ppb	2.7756	21.6	17.3141
Sn 189.925	2.1560b	ppb	1.8663	86.6	-5.4396
Sr 216.596	15.2341b	ppb	0.8059	5.3	171.759
Ti 334.941	0.6517b	ppb	0.0461	7.1	77.4582
Tl 190.794	-3.8834b	ppb	3.4371	88.5	-16.2220
V 292.401	0.5005b	ppb	0.2018	40.3	6.5828
Zn 206.200	5129.67b	ppb	32.3009	0.6	6509.84

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-10-b^10 (Samp) **4/20/2013, 1:24:46 AM** **Rack 3, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration			
Ag 328.068	-0.5713u	-0.4817u	-0.6174u		
Al 308.215	5072.20	5135.37	5238.87		
As 188.980	6.2955	5.4755	5.5567		
B 249.678	1788.03	1722.33	1631.74		
Ba 389.178	2.1840	3.4483	1.7187		
Be 313.042	0.0488	0.0634	0.0749		
Ca 370.602	264021	265620	268170		
Cd 226.502	0.1943	0.4445	0.0886		
Co 228.615	-0.1407u	0.9488	0.6673		
Cr 267.716	25.5757	25.8397	26.8458		
Cu 324.754	2.6169	3.5490	3.6559		
Fe 271.441	5035.75	5078.25	5152.49		
K 766.491	287.672	333.860	327.234		
Mg 279.078	71568.8	72037.3	72806.6		
Mn 257.610	65.5182	66.0133	66.6867		
Mo 202.032	1.8421	2.0054	1.2546		
Na 330.237	1084.52	1576.29	1517.01		
Ni 231.604	6.1565	5.2908	8.0961		
Pb 220.353	5.5234	3.7860	6.9065		
Sb 206.834	2.8703	4.5136	6.8717		
Se 196.026	-5.9769u	-1.7476u	-3.6099u		
Sn 189.925	-0.0627	-0.7620u	2.0425		
Sr 216.596	563.924	567.991	577.680		
Ti 334.941	52.4600	52.9399	53.3804		
Tl 190.794	-0.3381u	-3.5878u	0.8569		
V 292.401	13.7186	13.8080	14.2690		
Zn 206.200	27.6401	28.2270	32.5007		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5568	ppb	0.0690	12.4	-75.4076
Al 308.215	5148.82	ppb	84.1432	1.6	10873.9
As 188.980	5.7759	ppb	0.4518	7.8	-4.3133
B 249.678	1714.04	ppb	78.4733	4.6	20178.5
Ba 389.178	2.4503	ppb	0.8950	36.5	232.334
Be 313.042	0.0624	ppb	0.0131	21.0	36.1970
Ca 370.602	265937	ppb	2093	0.8	691657
Cd 226.502	0.2425	ppb	0.1828	75.4	51.4021
Co 228.615	0.4918	ppb	0.5656	115.0	2.2264
Cr 267.716	26.0871	ppb	0.6702	2.6	785.233
Cu 324.754	3.2739	ppb	0.5715	17.5	381.048
Fe 271.441	5088.83	ppb	59.0862	1.2	8167.71
K 766.491	316.255	ppb	24.9750	7.9	9509.50
Mg 279.078	72137.6	ppb	624.932	0.9	141108
Mn 257.610	66.0727	ppb	0.5865	0.9	15404.3
Mo 202.032	1.7007	ppb	0.3949	23.2	26.7111
Na 330.237	1392.61	ppb	268.450	19.3	112.360
Ni 231.604	6.5145	ppb	1.4365	22.1	13.7035
Pb 220.353	5.4053	ppb	1.5636	28.9	40.1794
Sb 206.834	4.7519	ppb	2.0113	42.3	3.7930
Se 196.026	-3.7781	ppb	2.1197	56.1	9.6246
Sn 189.925	0.4059	ppb	1.4598	359.6	-6.9353
Sr 216.596	569.865	ppb	7.0667	1.2	5392.25
Ti 334.941	52.9268	ppb	0.4603	0.9	12961.9
Tl 190.794	-1.0230	ppb	2.3001	224.8	-13.9409
V 292.401	13.9319	ppb	0.2954	2.1	354.508
Zn 206.200	29.4559	ppb	2.6531	9.0	325.0347

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-11-b^10 (Samp)		4/20/2013, 1:30:22 AM		Rack 3, Tube 18		
Weight: 1	Volume: 1	Dilution: 1				
Label	Replicates	Concentration				
Ag 328.068	-1.3045u	-1.0618u	-0.9768u			
Al 308.215	3813.79	3868.13	3873.12			
As 188.980	1.3460	2.7137	9.1413			
B 249.678	724.693	699.271	675.639			
Ba 389.178	7.9495	8.1489	7.4181			
Be 313.042	-0.0235	-0.0217	-0.0210			
Ca 370.602	363338	366357	368116			
Cd 226.502	-0.0235	0.1325	0.2349			
Co 228.615	0.5448	-0.3190u	-0.9670u			
Cr 267.716	21.5015	22.1522	21.9648			
Cu 324.754	18.8462	18.4395	19.2965			
Fe 271.441	4022.05	4048.68	4041.96			
K 766.491	399.062	411.441	412.333			
Mg 279.078	2957.00	2984.47	2988.50			
Mn 257.610	57.5598	58.1212	58.2169			
Mo 202.032	0.4033	1.4064	0.3500			
Na 330.237	1814.34	2206.31	2045.59			
Ni 231.604	3.9771	1.1998	4.1573			
Pb 220.353	12.4887	13.2221	12.8266			
Sb 206.834	0.5351	-7.5154u	-3.2092u			
Se 196.026	-2.6501u	-5.4505u	-6.6576u			
Sn 189.925	1.2153	-3.6388u	-5.0492u			
Sr 216.596	6062.24x	6117.17x	6107.60x			
Ti 334.941	35.8009	36.2286	36.0908			
Tl 190.794	-0.5294u	-4.0463u	-1.7433u			
V 292.401	8.2054	8.3969	8.5589			
Zn 206.200	96.7322	99.9504	98.1470			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-1.1143b	ppb	0.1700	15.3	-358.858	
Al 308.215	3851.68b	ppb	32.9117	0.9	8135.41	
As 188.980	4.4003b	ppb	4.1624	94.6	-4.3000	
B 249.678	699.867b	ppb	24.5324	3.5	8393.88	
Ba 389.178	7.8388b	ppb	0.3778	4.8	183.648	
Be 313.042	-0.0221b	ppb	0.0013	6.0	-71.9921	
Ca 370.602	365937b	ppb	2416	0.7	951904	
Cd 226.502	0.1146b	ppb	0.1302	113.5	44.1770	
Co 228.615	-0.2471b	ppb	0.7585	307.0	-5.0675	
Cr 267.716	21.8728b	ppb	0.3349	1.5	656.045	
Cu 324.754	18.8607b	ppb	0.4287	2.3	1166.63	
Fe 271.441	4037.56b	ppb	13.8504	0.3	6502.28	
K 766.491	407.612b	ppb	7.4181	1.8	12185.5	
Mg 279.078	2976.66b	ppb	17.1422	0.6	5902.82	
Mn 257.610	57.9660b	ppb	0.3550	0.6	13197.8	
Mo 202.032	0.7199b	ppb	0.5951	82.7	20.0779	
Na 330.237	2022.08b	ppb	197.039	9.7	138.880	
Ni 231.604	3.1114b	ppb	1.6580	53.3	5.2073	
Pb 220.353	12.8458b	ppb	0.3670	2.9	52.5970	
Sb 206.834	-3.3965b	ppb	4.0286	118.6	-4.1392	
Se 196.026	-4.9194b	ppb	2.0558	41.8	9.1017	
Sn 189.925	-2.4909b	ppb	3.2862	131.9	-8.9391	
Sr 216.596	6095.67xb	ppb	29.3453	0.5	57159.6	
Ti 334.941	36.0401b	ppb	0.2183	0.6	8646.41	
Tl 190.794	-2.1064b	ppb	1.7863	84.8	-14.8622	
V 292.401	8.3871b	ppb	0.1770	2.1	214.257	
Zn 206.200	98.2766b	ppb	1.6130	2981.6f	325.373	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-12-b^10 (Samp) **4/20/2013, 1:35:58 AM** **Rack 3, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates	Concentration			
Ag 328.068	-0.8945u	-0.5869u	-0.6607u		
Al 308.215	5038.71	5075.88	5051.74		
As 188.980	15.6908	17.9488	8.6050		
B 249.678	382.213	373.186	361.184		
Ba 389.178	17.6807	16.9979	18.0569		
Be 313.042	0.0284	0.0341	0.0494		
Ca 370.602	267035	266925	267548		
Cd 226.502	0.3355	0.2857	0.3461		
Co 228.615	1.1696	1.2893	1.1334		
Cr 267.716	40.6390	40.3015	41.1216		
Cu 324.754	62.2709	61.9463	63.8984		
Fe 271.441	8585.75	8582.36	8592.21		
K 766.491	376.198	387.339	389.942		
Mg 279.078	39220.8	39238.4	39165.8		
Mn 257.610	110.993	111.420	111.350		
Mo 202.032	0.6835	1.2595	0.4693		
Na 330.237	1428.55	1295.44	1341.91		
Ni 231.604	10.4931	8.1078	8.0933		
Pb 220.353	119.206	116.397	122.409		
Sb 206.834	1.6232	-5.2321u	1.7524		
Se 196.026	-4.9097u	-9.0417u	0.2884		
Sn 189.925	5.2000	4.1939	0.2800		
Sr 216.596	2725.73	2728.07	2720.82		
Ti 334.941	47.5562	47.5982	47.5420		
Tl 190.794	-7.2021u	0.5002u	-1.6959u		
V 292.401	12.5681	12.8773	13.0362		
Zn 206.200	421.840	421.603	425.850		

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7140	ppb	0.1606	22.5	-181.127
Al 308.215	5055.44	ppb	18.8576	0.4	10676.8
As 188.980	14.0816	ppb	4.8753	34.6	0.8002
B 249.678	372.194	ppb	10.5497	2.8	4580.64
Ba 389.178	17.5785	ppb	0.5369	3.1	462.038
Be 313.042	0.0373	ppb	0.0109	29.1	-4.6146
Ca 370.602	267169	ppb	332.5	0.1	694631
Cd 226.502	0.3225	ppb	0.0322	10.0	61.1440
Co 228.615	1.1975	ppb	0.0816	6.8	8.7097
Cr 267.716	40.6874	ppb	0.4122	1.0	1232.84
Cu 324.754	62.7052	ppb	1.0460	1.7	3378.52
Fe 271.441	8586.77	ppb	5.0084	0.1	13708.8
K 766.491	384.493	ppb	7.3007	1.9	11508.3
Mg 279.078	39208.3	ppb	37.8456	0.1	76733.2
Mn 257.610	111.254	ppb	0.2292	0.2	25343.7
Mo 202.032	0.8041	ppb	0.4087	50.8	20.4299
Na 330.237	1355.30	ppb	67.5581	5.0	107.556
Ni 231.604	8.8980	ppb	1.3813	15.5	19.7088
Pb 220.353	119.337	ppb	3.0082	2.5	229.853
Sb 206.834	-0.6188	ppb	3.9957	645.7	-1.1766
Se 196.026	-4.5543	ppb	4.6752	102.7	9.2577
Sn 189.925	3.2246	ppb	2.5993	80.6	-4.9505
Sr 216.596	2724.87	ppb	3.7034	0.1	25578.9
Ti 334.941	47.5654	ppb	0.0292	0.1	11549.7
Tl 190.794	-2.7993	ppb	3.9679	141.7	-15.7708
V 292.401	12.8272	ppb	0.2380	1.9	325.646
Zn 206.200	423.098	ppb	2.3866	537.498	325.042

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-13-b^10 (Samp) 4/20/2013, 1:41:35 AM

Rack 3, Tube 20

Weight: 1

Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	0.5743u	0.4948u	0.4432u
Al 308.215	2708.06	2700.55	2721.13
As 188.980	4.9896	3.3201	-0.6857
B 249.678	235.002	226.840	219.849
Ba 389.178	9.1199	7.5496	7.8802
Be 313.042	0.0346	0.0432	0.0351
Ca 370.602	322039	320135	323228
Cd 226.502	0.2269	0.5466	0.2184
Co 228.615	-0.0286	0.1914	0.3526
Cr 267.716	21.1868	21.7425	21.4359
Cu 324.754	31.3496	31.0050	31.5800
Fe 271.441	5448.40	5438.56	5472.79
K 766.491	684.332	688.956	691.623
Mg 279.078	34819.3	34683.7	34825.4
Mn 257.610	111.736	111.861	112.478
Mo 202.032	1.1502	1.5005	0.9618
Na 330.237	4638.05	4712.11	4736.21
Ni 231.604	6.5578	4.9482	7.4695
Pb 220.353	56.3190	54.3664	54.7714
Sb 206.834	-3.3316u	-4.8348u	1.3145
Se 196.026	-0.1592u	-5.2847u	-0.6360u
Sn 189.925	-1.5791u	-1.6705u	4.3956
Sr 216.596	3061.48	3053.09	3060.63
Ti 334.941	31.7738	31.7311	32.0291
Tl 190.794	-1.3332u	-3.6103u	-3.2347u
V 292.401	9.9839	10.3657	10.3253
Zn 206.200	107.358	107.723	108.986

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5041	ppb	0.0661	13.1	-107.768
Al 308.215	2709.91	ppb	10.4182	0.4	5724.91
As 188.980	2.5413	ppb	2.9167	114.8	-5.8399
B 249.678	227.231	ppb	7.5839	3.3	2899.61
Ba 389.178	8.1832	ppb	0.8278	10.1	262.951
Be 313.042	0.0376	ppb	0.0048	12.8	13.1348
Ca 370.602	321801	ppb	1560	0.5	836977
Cd 226.502	0.3306	ppb	0.1871	56.6	54.6493
Co 228.615	0.1718	ppb	0.1914	111.4	-1.2555
Cr 267.716	21.4551	ppb	0.2783	1.3	643.624
Cu 324.754	31.3115	ppb	0.2893	0.9	1794.80
Fe 271.441	5453.25	ppb	17.6221	0.3	8744.93
K 766.491	688.304	ppb	3.6888	0.5	20407.3
Mg 279.078	34776.1	ppb	80.0927	0.2	68068.6
Mn 257.610	112.025	ppb	0.3974	0.4	25484.0
Mo 202.032	1.2042	ppb	0.2734	22.7	23.3121
Na 330.237	4695.46	ppb	51.1532	1.1	251.320
Ni 231.604	6.3252	ppb	1.2766	20.2	13.2385
Pb 220.353	55.1523	ppb	1.0305	1.9	123.055
Sb 206.834	-2.2839	ppb	3.2057	140.4	-3.0463
Se 196.026	-2.0266	ppb	2.8316	139.7	10.4408
Sn 189.925	0.3820	ppb	3.4762	910.0	-6.9311
Sr 216.596	3058.40	ppb	4.6197	0.2	28706.9
Ti 334.941	31.8446	ppb	0.1611	0.5	7763.59
Tl 190.794	-2.7261	ppb	1.2208	44.8	-15.5615
V 292.401	10.2250	ppb	0.2097	2.1	260.793
Zn 206.200	108.022	ppb	0.8545	0.8	127.741

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-14-b^10 (Samp) 4/20/2013, 1:47:11 AM

Rack 3, Tube 21

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates	Concentration				
Ag 328.068	-0.4641u	-0.6317u	-1.0010u			
Al 308.215	5284.52	5257.88	5209.09			
As 188.980	6.6833	-1.4605	3.1288			
B 249.678	144.858	140.684	136.274			
Ba 389.178	16.3668	17.1247	15.9322			
Be 313.042	0.0443	0.0558	0.0534			
Ca 370.602	332559	332808	334125			
Cd 226.502	0.3799	0.3733	0.1627			
Co 228.615	1.1394	0.9160	0.8197			
Cr 267.716	33.8107	33.4321	33.2612			
Cu 324.754	26.8562	28.2120	27.0434			
Fe 271.441	5881.96	5895.28	5873.32			
K 766.491	482.072	484.725	486.005			
Mg 279.078	60022.8	60041.4	60016.3			
Mn 257.610	130.777	131.218	131.209			
Mo 202.032	0.6720	0.1948	0.3653			
Na 330.237	1208.88	1014.56	1083.54			
Ni 231.604	6.5020	6.6208	8.8822			
Pb 220.353	15.6955	13.7583	13.3119			
Sb 206.834	6.3781	-3.3605u	2.4770			
Se 196.026	3.7653	-3.7741u	1.5964			
Sn 189.925	-2.2710u	0.0240	1.1223			
Sr 216.596	2790.06	2776.78	2772.14			
Ti 334.941	71.2639	71.1830	70.9386			
Tl 190.794	-0.3620u	-4.7505u	-2.5426u			
V 292.401	17.7724	17.8662	17.6175			
Zn 206.200	62.3344	64.3363	63.8028			

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6989	ppb	0.2747	39.3	-183.721
Al 308.215	5250.50	ppb	38.2507	0.7	11088.5
As 188.980	2.7839	ppb	4.0829	146.7	-5.5885
B 249.678	140.605	ppb	4.2924	3.1	1892.40
Ba 389.178	16.4746	ppb	0.6035	3.7	486.694
Be 313.042	0.0512	ppb	0.0060	11.8	39.2892
Ca 370.602	333164	ppb	841.8	0.3	866520
Cd 226.502	0.3053	ppb	0.1235	40.5	55.0527
Co 228.615	0.9584	ppb	0.1640	17.1	7.0378
Cr 267.716	33.5013	ppb	0.2812	0.8	1012.50
Cu 324.754	27.3705	ppb	0.7347	2.7	1596.13
Fe 271.441	5883.52	ppb	11.0664	0.2	9426.70
K 766.491	484.267	ppb	2.0061	0.4	14430.8
Mg 279.078	60026.8	ppb	13.0479	0.0	117431
Mn 257.610	131.068	ppb	0.2524	0.2	29891.8
Mo 202.032	0.4107	ppb	0.2418	58.9	17.8630
Na 330.237	1102.33	ppb	98.5127	8.9	99.5876
Ni 231.604	7.3350	ppb	1.3412	18.3	15.7629
Pb 220.353	14.2552	ppb	1.2671	8.9	54.9147
Sb 206.834	1.8316	ppb	4.9013	267.6	1.0723
Se 196.026	0.5292	ppb	3.8814	733.4	11.6217
Sn 189.925	-0.3749	ppb	1.7315	461.9	-7.4606
Sr 216.596	2779.66	ppb	9.2980	0.3	26097.3
Ti 334.941	71.1285	ppb	0.1694	0.2	17279.0
Tl 190.794	-2.5517	ppb	2.1943	86.0	-15.4460
V 292.401	17.7520	ppb	0.1256	0.7	450.689
Zn 206.200	63.4911	ppb	1.0367	301.65	325.2045

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

680-89400-c-15-b^10 (Samp) 4/20/2013, 1:52:47 AM

Rack 3, Tube 22

Weight: 1 **Volume: 1**

Dilution: 1

Label	Replicates	Concentration	
Ag 328.068	-0.7370u	-1.2063u	-0.4930u
Al 308.215	2658.42	2627.66	2658.39
As 188.980	54.8115	49.0284	50.9621
B 249.678	107.513	105.204	104.184
Ba 389.178	9.8588	10.5263	11.5149
Be 313.042	-0.0384	-0.0447	-0.0372
Ca 370.602	253421	250654	252899
Cd 226.502	0.3923	0.1966	0.3737
Co 228.615	-0.0207	0.9120	-0.8555u
Cr 267.716	44.4544	44.2379	44.7243
Cu 324.754	50.7883	51.0530	49.5933
Fe 271.441	3578.35	3574.31	3579.27
K 766.491	859.728	857.210	855.600
Mg 279.078	4204.99	4214.59	4273.03
Mn 257.610	100.622	100.880	101.708
Mo 202.032	0.1960	0.2494	0.4113
Na 330.237	3273.14	3070.66	3321.11
Ni 231.604	0.9361	1.9569	3.5376
Pb 220.353	40.6436	38.5286	39.4712
Sb 206.834	4.6091	0.5389	-5.2731u
Se 196.026	-1.1716u	-2.2994u	-2.5907u
Sn 189.925	2.5860	-0.1931u	3.0429
Sr 216.596	3496.33	3487.91	3513.09
Ti 334.941	33.5107	33.2739	33.7006
Tl 190.794	-3.3207u	-3.0674u	-8.0558u
V 292.401	4.0574	4.0190	4.7748
Zn 206.200	99.4520	97.3126	99.2096

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8121	ppb	0.3625	44.6	-224.034
Al 308.215	2648.16	ppb	17.7494	0.7	5594.52
As 188.980	51.6007	ppb	2.9439	5.7	23.9941
B 249.678	105.633	ppb	1.7056	1.6	1488.67
Ba 389.178	10.6333	ppb	0.8332	7.8	242.440
Be 313.042	-0.0401	ppb	0.0040	10.1	-137.438
Ca 370.602	252325	ppb	1470	0.6	656339
Cd 226.502	0.3209	ppb	0.1080	33.7	49.9878
Co 228.615	0.0119	ppb	0.8842	7422.1	-2.5987
Cr 267.716	44.4722	ppb	0.2437	0.5	1347.97
Cu 324.754	50.4782	ppb	0.7777	1.5	2760.63
Fe 271.441	3577.31	ppb	2.6400	0.1	5773.22
K 766.491	857.512	ppb	2.0807	0.2	25363.6
Mg 279.078	4230.87	ppb	36.8264	0.9	8354.32
Mn 257.610	101.070	ppb	0.5673	0.6	22853.0
Mo 202.032	0.2856	ppb	0.1121	39.2	17.1427
Na 330.237	3221.64	ppb	132.933	4.1	189.630
Ni 231.604	2.1436	ppb	1.3108	61.1	2.7877
Pb 220.353	39.5478	ppb	1.0596	2.7	97.0778
Sb 206.834	-0.0417	ppb	4.9666	11921.7	-0.6806
Se 196.026	-2.0206	ppb	0.7495	37.1	10.4511
Sn 189.925	1.8120	ppb	1.7514	96.7	-5.9491
Sr 216.596	3499.11	ppb	12.8152	0.4	32828.2
Ti 334.941	33.4951	ppb	0.2138	0.6	8041.01
Tl 190.794	-4.8147	ppb	2.8098	58.4	-17.3529
V 292.401	4.2837	ppb	0.4257	9.9	109.660
Zn 206.200	98.6581	ppb	1.1715	3.2	325.800

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43151-g-1-a^10 (Samp) 4/20/2013, 1:58:35 AM

Rack 3, Tube 23

Weight: 1 **Volume: 1**

Dilution: 1

Label	Replicates	Concentration
Ag 328.068	-0.4059u	-0.5251u
Al 308.215	-3.9905u	-1.4476u
As 188.980	4.4983	3.5867
B 249.678	89.2169	87.4356
Ba 389.178	146.201	145.204
Be 313.042	-0.1011u	-0.0903u
Ca 370.602	27472	27683
Cd 226.502	-0.0787	0.0711
Co 228.615	-0.4710u	-0.7422u
Cr 267.716	-0.1606u	-0.2458u
Cu 324.754	-1.1691u	-1.2292u
Fe 271.441	2401.04	2411.15
K 766.491	7038.89	7028.90
Mg 279.078	10445.7	10463.2
Mn 257.610	142.193	142.052
Mo 202.032	1.7650	0.6553
Na 330.237	71016.7	70484.9
Ni 231.604	3.7321	4.2884
Pb 220.353	1.3096	-0.2579u
Sb 206.834	-0.3999u	-0.9174u
Se 196.026	1.9792	-5.2752u
Sn 189.925	-2.4712u	-3.7275u
Sr 216.596	336.568	338.880
Ti 334.941	-0.1592u	-0.2039u
Tl 190.794	-2.8310u	0.4017
V 292.401	-0.5824u	-0.2603u
Zn 206.200	1.6595	3.4864

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5660	ppb	0.1840	32.5	-64.1070
Al 308.215	-0.3055	ppb	4.3695	1430.5	3.1325
As 188.980	5.4385	ppb	2.4604	45.2	-6.5411
B 249.678	87.2967	ppb	1.9932	2.3	1276.96
Ba 389.178	145.403	ppb	0.7195	0.5	2959.85
Be 313.042	-0.0903	ppb	0.0109	12.0	-299.807
Ca 370.602	27596	ppb	110.8	0.4	71717
Cd 226.502	0.0214	ppb	0.0867	405.3	37.3902
Co 228.615	-0.5507	ppb	0.1666	30.3	-8.7149
Cr 267.716	-0.0909	ppb	0.1991	219.1	-15.6454
Cu 324.754	-1.1421	ppb	0.1033	9.0	157.729
Fe 271.441	2401.58	ppb	9.3116	0.4	3910.57
K 766.491	7030.74	ppb	7.4055	0.1	206186
Mg 279.078	10448.9	ppb	13.0521	0.1	20510.0
Mn 257.610	141.929	ppb	0.3428	0.2	32029.8
Mo 202.032	1.3621	ppb	0.6141	45.1	24.5534
Na 330.237	70713.0	ppb	273.867	0.4	3039.08
Ni 231.604	3.9010	ppb	0.3364	8.6	7.1402
Pb 220.353	0.3322	ppb	0.8525	256.6	31.8690
Sb 206.834	-1.1199	ppb	0.8398	75.0	-2.1925
Se 196.026	-0.7840	ppb	3.9237	500.5	11.0373
Sn 189.925	-2.1129	ppb	1.8204	86.2	-8.7756
Sr 216.596	337.697	ppb	1.1570	0.3	3195.28
Ti 334.941	-0.1708	ppb	0.0290	17.0	-9.8766
Tl 190.794	-1.3836	ppb	1.6426	118.7	-14.2478
V 292.401	-0.4823	ppb	0.1926	39.9	-8.8407
Zn 206.200	2.5555	ppb	0.9140	35.8	3.9658

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

640-43151-g-2-a^10 (Samp)		4/20/2013, 2:04:12 AM		Rack 3, Tube 24		
Label	Replicates	Concentration		Dilution: 1		
Ag 328.068	-0.0660u	-0.5132u	-0.9021u			
Al 308.215	-17.2679u	-5.4940u	-11.2714u			
As 188.980	1.2933	-5.0501u	-0.0447			
B 249.678	87.1836	86.7296	85.2780			
Ba 389.178	207.547	208.602	208.645			
Be 313.042	-0.1235u	-0.1054u	-0.1178u			
Ca 370.602	68692	68766	68653			
Cd 226.502	0.1825	0.0986	0.0917			
Co 228.615	-0.9441u	-0.0559u	-1.2829u			
Cr 267.716	-0.1881u	0.2650	0.2235			
Cu 324.754	-1.1972u	-1.9210u	-1.4755u			
Fe 271.441	10706.6	10705.9	10682.2			
K 766.491	2052.28	2059.28	2056.59			
Mg 279.078	21238.3	21217.3	21183.4			
Mn 257.610	572.228	572.401	570.967			
Mo 202.032	-0.4066u	-0.0729u	-0.5538u			
Na 330.237	39170.2	39312.0	39361.8			
Ni 231.604	0.0867	-0.9765u	0.6905			
Pb 220.353	2.7515	1.7650	0.5332			
Sb 206.834	0.8005	1.9279	-4.5935u			
Se 196.026	-5.8458u	-6.3776u	-7.2870u			
Sn 189.925	-0.2973u	-5.5438u	-2.3734u			
Sr 216.596	374.917	375.143	372.739			
Ti 334.941	-0.3900u	-0.3585u	-0.3754u			
Tl 190.794	-2.8454u	1.3582u	1.0654u			
V 292.401	-0.9100u	-0.5268u	-0.6964u			
Zn 206.200	1.2028	0.1695	2.3219			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	
Ag 328.068	-0.4938	ppb	0.4184	84.7	-58.9661	
Al 308.215	-11.3444	ppb	5.8873	51.9	-20.2642	
As 188.980	-1.2672	ppb	3.3437	263.9	-10.4262	
B 249.678	86.3971	ppb	0.9954	1.2	1256.86	
Ba 389.178	208.265	ppb	0.6219	0.3	4247.29	
Be 313.042	-0.1156	ppb	0.0093	8.0	-326.504	
Ca 370.602	68704	ppb	57.15	0.1	178126	
Cd 226.502	0.1243	ppb	0.0505	40.7	58.8033	
Co 228.615	-0.7610	ppb	0.6337	83.3	-10.8796	
Cr 267.716	0.1001	ppb	0.2505	250.2	-7.6916	
Cu 324.754	-1.5312	ppb	0.3651	23.8	140.539	
Fe 271.441	10698.2	ppb	13.8634	0.1	17053.0	
K 766.491	2056.05	ppb	3.5311	0.2	60470.5	
Mg 279.078	21213.0	ppb	27.7104	0.1	41548.2	
Mn 257.610	571.865	ppb	0.7824	0.1	128374	
Mo 202.032	-0.3444	ppb	0.2464	71.5	12.5163	
Na 330.237	39281.3	ppb	99.4196	0.3	1710.53	
Ni 231.604	-0.0664	ppb	0.8440	1270.7	-2.5769	
Pb 220.353	1.6832	ppb	1.1114	66.0	34.2140	
Sb 206.834	-0.6217	ppb	3.4856	560.7	-1.5031	
Se 196.026	-6.5035	ppb	0.7288	11.2	8.4532	
Sn 189.925	-2.7382	ppb	2.6422	96.5	-9.2099	
Sr 216.596	374.266	ppb	1.3276	0.4	3544.60	
Ti 334.941	-0.3746	ppb	0.0158	4.2	-14.3576	
Tl 190.794	-0.1406	ppb	2.3470	1669.5	-14.0792	
V 292.401	-0.7111	ppb	0.1920	27.0	-13.9295	
Zn 206.200	1.2314	ppb	1.0765	3087.4	3252.2857	

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

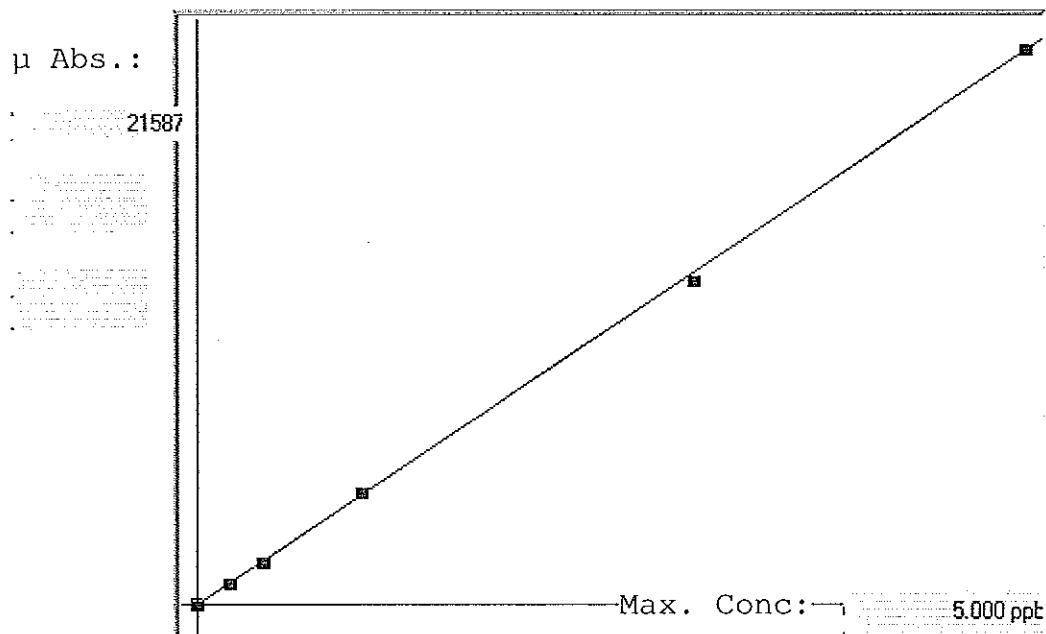
Cont Calib Verif (CCV)		4/20/2013, 2:09:48 AM		Rack 3, Tube 25		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	477.511	480.427	476.288			
Al 308.215	4721.15	4734.59	4700.30			
As 188.980	453.322	460.057	464.537			
B 249.678	519.549	517.401	520.657			
Ba 389.178	5036.10	5010.04	5015.97			
Be 313.042	509.543	508.369	508.957			
Ca 370.602	4848	4839	4849			
Cd 226.502	506.478	501.821	504.187			
Co 228.615	516.652	514.307	513.821			
Cr 267.716	4988.76	4978.32	4965.32			
Cu 324.754	5085.72	5019.52	5029.88			
Fe 271.441	4865.84	4845.86	4868.63			
K 766.491	9917.62	9887.34	9931.83			
Mg 279.078	4878.23	4852.21	4851.44			
Mn 257.610	5136.16	5107.96	5116.73			
Mo 202.032	481.812	479.970	480.090			
Na 330.237	7251.55	7262.45	7235.62			
Ni 231.604	2563.56	2544.22	2550.47			
Pb 220.353	482.579	477.598	482.121			
Sb 206.834	892.912	895.105	907.449			
Se 196.026	4855.08	4812.79	4796.23			
Sn 189.925	4874.48	4851.47	4854.20			
Sr 216.596	2450.45	2434.88	2439.85			
Ti 334.941	482.448	481.686	482.229			
Tl 190.794	4976.81	4945.21	4948.26			
V 292.401	4891.08	4868.47	4883.17			
Zn 206.200	2563.68	2549.48	2549.92			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	478.075	ppb	2.1264	0.4	34672.5	95.61502
Al 308.215	4718.68	ppb	17.2802	0.4	9957.61	94.37356
As 188.980	459.306	ppb	5.6452	1.2	274.362	91.86110
B 249.678	519.202	ppb	1.6554	0.3	6293.29	20.76809Q
Ba 389.178	5020.71	ppb	13.6586	0.3	100764	100.41412
Be 313.042	508.957	ppb	0.5870	0.1	854924	101.79131
Ca 370.602	4845	ppb	5.615	0.1	12580	96.90245
Cd 226.502	504.162	ppb	2.3283	0.5	16592.3	100.83239
Co 228.615	514.927	ppb	1.5142	0.3	4852.19	102.98531
Cr 267.716	4977.47	ppb	11.7421	0.2	152345	99.54934
Cu 324.754	5045.04	ppb	35.6083	0.7	254544	100.90079
Fe 271.441	4860.11	ppb	12.4223	0.3	7921.05	97.20219
K 766.491	9912.26	ppb	22.7245	0.2	290589	99.12263
Mg 279.078	4860.63	ppb	15.2493	0.3	9510.46	97.21257
Mn 257.610	5120.28	ppb	14.4333	0.3	1146636	102.40562
Mo 202.032	480.624	ppb	1.0306	0.2	3286.29	96.12476
Na 330.237	7249.87	ppb	13.4956	0.2	341.450	96.66497
Ni 231.604	2552.75	ppb	9.8719	0.4	6354.92	102.10993
Pb 220.353	480.766	ppb	2.7530	0.6	831.532	96.15320
Sb 206.834	898.488	ppb	7.8368	0.9	914.899	89.84885Q
Se 196.026	4821.37	ppb	30.3486	0.6	2236.24	96.42732
Sn 189.925	4860.05	ppb	12.5718	0.3	3414.99	97.20106
Sr 216.596	2441.72	ppb	7.9507	0.3	22849.0	97.66899
Ti 334.941	482.121	ppb	0.3918	0.1	115590	96.42418
Tl 190.794	4956.76	ppb	17.4276	0.4	4471.54	99.13518
V 292.401	4880.91	ppb	11.4747	0.2	122563	97.61814
Zn 206.200	2554.36	ppb	8.0725	0.3	3229.35	102.17431

E04192013.wvq. All Data Report 4/21/2013, 6:51:06 AM

Cont Calib Blank (CCB)		4/20/2013, 2:15:25 AM		Rack 3, Tube 26		
Weight: 1		Volume: 1		Dilution: 1		
Label	Replicates	Concentration				
Ag 328.068	-0.5827u	-0.1124u	-0.1688u			
Al 308.215	-10.6813u	-13.0375u	-14.4846u			
As 188.980	-1.9675u	7.1348	1.9328			
B 249.678	25.4793	24.8425	22.6039			
Ba 389.178	-0.6736u	-0.1529u	0.5677			
Be 313.042	0.0209	0.0751	0.1059			
Ca 370.602	-11.90u	-5.050u	-2.166u			
Cd 226.502	0.2546	0.0555	0.1152			
Co 228.615	-0.4372u	-0.0125u	-0.5424u			
Cr 267.716	0.4520	1.3165	1.2606			
Cu 324.754	-0.4361u	0.7255	0.5937			
Fe 271.441	-5.5493u	-2.2110u	-0.7450u			
K 766.491	3.5915	4.9242	5.5059			
Mg 279.078	-22.5258u	-22.0180u	-18.9024u			
Mn 257.610	0.9444	1.4997	1.9521			
Mo 202.032	0.5800	0.7950	0.7955			
Na 330.237	-118.268u	-64.0126u	-37.9933u			
Ni 231.604	-0.5079u	0.9390	-0.5067u			
Pb 220.353	1.0723	1.2526	0.0920			
Sb 206.834	5.5951	1.2364	-2.4217u			
Se 196.026	6.9040	0.4054	6.8140			
Sn 189.925	-2.6895u	0.1804	4.9266			
Sr 216.596	0.3949	0.7737	0.2390			
Ti 334.941	-0.0222u	0.0928	0.0361			
Tl 190.794	2.4443	6.4932	1.8271			
V 292.401	0.9058	1.1390	1.6059			
Zn 206.200	1.2785	-0.1386u	2.0023			
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2880	ppb	0.2568	89.2	-29.4637	-0.28796
Al 308.215	-12.7345	ppb	1.9197	15.1	-23.1412	-12.73446
As 188.980	2.3667	ppb	4.5666	193.0	-8.6569	2.36670
B 249.678	24.3086	ppb	1.5102	6.2	547.728	24.30857
Ba 389.178	-0.0863	ppb	0.6234	722.6	16.9079	-0.08627
Be 313.042	0.0673	ppb	0.0430	64.0	-36.1629	0.06729
Ca 370.602	-6.373	ppb	5.002	78.5	56.68	-6.37345
Cd 226.502	0.1418	ppb	0.1022	72.1	36.4022	0.14176
Co 228.615	-0.3307	ppb	0.2805	84.8	-6.5661	-0.33071
Cr 267.716	1.0097	ppb	0.4838	47.9	16.5455	1.00972
Cu 324.754	0.2944	ppb	0.6360	216.1	229.404	0.29436
Fe 271.441	-2.8351	ppb	2.4622	86.8	101.879	-2.83510
K 766.491	4.6739	ppb	0.9815	21.0	382.860	4.67387
Mg 279.078	-21.1487	ppb	1.9619	9.3	43.4618	-21.14872
Mn 257.610	1.4654	ppb	0.5047	34.4	515.274	1.46542
Mo 202.032	0.7235	ppb	0.1243	17.2	20.3060	0.72353
Na 330.237	-73.4247	ppb	40.9566	55.8	52.2602	-73.42466
Ni 231.604	-0.0252	ppb	0.8350	3311.3	-2.6851	-0.02522
Pb 220.353	0.8057	ppb	0.6246	77.5	32.6275	0.80565
Sb 206.834	1.4700	ppb	4.0135	273.0	0.2794	1.46997
Se 196.026	4.7078	ppb	3.7262	79.2	13.5509	4.70781
Sn 189.925	0.8058	ppb	3.8464	477.3	-6.7499	0.80583
Sr 216.596	0.4692	ppb	0.2750	58.6	33.2968	0.46924
Ti 334.941	0.0355	ppb	0.0575	161.8	3.2665	0.03554
Tl 190.794	3.5882	ppb	2.5347	70.6	-9.4454	3.58821
V 292.401	1.2169	ppb	0.3565	29.3	34.3311	1.21691
Zn 206.200	1.0474	ppb	1.0890	304.08	325	1.04741

Hg Norm2

Linear ▾



A= 0.0000e+000
B= 2.3237e-004
C= 1.1033e-002
Rho= 0.9998951
Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	0.004	0.004	-30	1.247	-29	-32	-30		
0.2	0.200	0.205	0.005	835	1.0 %	824	840	842		
0.4	0.400	0.396	-0.004	1655	0.8 %	1639	1656	1670		
1.0	1.000	1.022	0.022	4350	0.3 %	4365	4333	4352		
3.0	3.000	2.946	-0.054	12632	0.5 %	12550	12681	12665		
5.0	5.000	5.027	0.027	21587	0.9 %	21322	21625	21815		

C04192013

Method: Hg Norm2 Operator: Admin

Date of Analysis: 19 Apr 2013 10:38:41

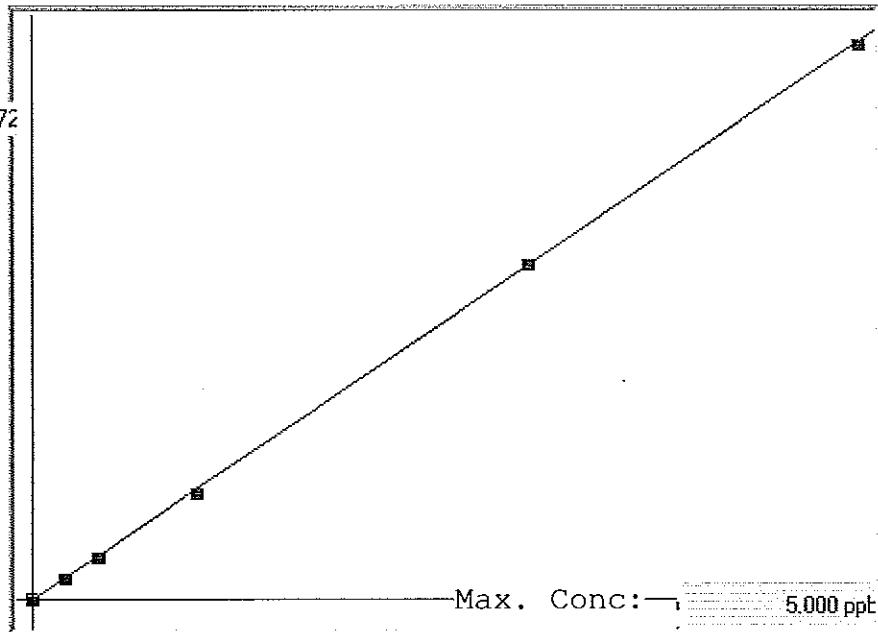
Sample ID	Extended ID	Mean	RSD	Date
blank		-30	-4.1117	19 Apr 2013 10:42:38
0.2		835	0.9643	19 Apr 2013 10:45:04
0.4		1655	0.7659	19 Apr 2013 10:47:32
1.0		4350	0.3021	19 Apr 2013 10:49:59
3.0		12632	0.4619	19 Apr 2013 10:52:27
5.0		21587	0.9405	19 Apr 2013 10:54:54
ICV		3.0003	0.4824	19 Apr 2013 10:57:22
ICB		0.0138	2.3776	19 Apr 2013 10:59:48
CRA		0.2108	0.5993	19 Apr 2013 11:02:13
CCV		2.5112	0.1785	19 Apr 2013 11:04:41
CCB		0.0131	5.0078	19 Apr 2013 11:07:10
mb 680-273538/1-a	(BCB)	0.0154	2.5695	19 Apr 2013 11:09:35
lb 680-273211/7-d	(BCB)	0.0143	3.5137	19 Apr 2013 11:12:01
lcs 680-273538/3-a	(BCB)	2.5228	0.7627	19 Apr 2013 11:14:28
680-89263-c-1-g	(BCB)	0.0104	3.7927	19 Apr 2013 11:16:54
680-89263-c-1-h ms	(BCB)	0.8541	0.2562	19 Apr 2013 11:19:21
680-89263-c-1-i msd	(BCB)	0.8283	0.5194	19 Apr 2013 11:21:49
680-89267-b-10-g	(BCB)	0.0137	4.8480	19 Apr 2013 11:24:17
680-89315-a-1-b	(BCB)	0.0157	1.2100	19 Apr 2013 11:26:43
680-89317-a-1-b	(BCB)	0.0152	2.4939	19 Apr 2013 11:29:09
680-89323-d-1-f	(BCB)	0.0136	8.7191	19 Apr 2013 11:31:36
CCV		2.4818	0.2984	19 Apr 2013 11:34:02
CCB		0.0154	1.2282	19 Apr 2013 11:36:30
680-89347-a-1-b	(BCB)	0.0152	1.2469	19 Apr 2013 11:38:57
mb 680-273543/1-a	(BCB)	0.0242	2.9681	19 Apr 2013 11:41:24
lcs 680-273543/2-a	(BCB)	2.4490	0.3574	19 Apr 2013 11:43:52
llcs 680-273543/3-a	(BCB)	0.1956	0.7780	19 Apr 2013 11:46:19
480-36394-h-1-a	(BCB)	0.0121	1.8080	19 Apr 2013 11:48:46
480-36394-h-1-b ms	(BCB)	0.9905	1.0058	19 Apr 2013 11:51:12
480-36394-h-1-c msd	(BCB)	0.9647	1.1222	19 Apr 2013 11:53:38
480-36400-h-1-a	(BCB)	0.0149	4.0916	19 Apr 2013 11:56:05
680-89421-c-10-b	(BCB)	0.0113	2.5550	19 Apr 2013 11:58:31
mb 680-273554/1-a	(BCB)	0.0122	5.3895	19 Apr 2013 12:00:58
CCV		2.4699	0.4457	19 Apr 2013 12:03:26
CCB		0.0183	3.9221	19 Apr 2013 12:05:54
lcs 680-273554/2-a	(BCB)	2.5149	0.4163	19 Apr 2013 12:08:20
680-89433-e-1-a	(BCB)	0.0130	3.0452	19 Apr 2013 12:10:48
680-89433-e-2-a	(BCB)	0.0142	2.7796	19 Apr 2013 12:13:16
680-89433-e-2-b ms	(BCB)	0.9989	0.2250	19 Apr 2013 12:15:43
680-89433-e-2-c msd	(BCB)	0.9897	0.2878	19 Apr 2013 12:18:10
680-89433-e-3-a	(BCB)	0.0106	3.7099	19 Apr 2013 12:20:38
640-43207-j-5-a	(BCB)	0.0119	7.5441	19 Apr 2013 12:23:04
680-89434-c-1-a	(BCB)	0.0095	4.6200	19 Apr 2013 12:25:30
680-89434-c-2-a	(BCB)	0.0110	2.6454	19 Apr 2013 12:27:56
680-89434-c-3-a	(BCB)	0.0127	1.4987	19 Apr 2013 12:30:24
CCV		2.5121	0.3187	19 Apr 2013 12:32:52
CCB		0.0192	2.6191	19 Apr 2013 12:35:18
680-89434-c-4-a	(BCB)	0.0155	1.8667	19 Apr 2013 12:37:44
CCV		2.4134	0.2902	19 Apr 2013 12:40:11
CCB		0.0161	7.7059	19 Apr 2013 12:42:38

Hg Norm2

Linear ▾

μ Abs. :

19672



A= 0.0000e+000
B= 2.5302e-004
C= 1.1423e-002
Rho= 0.9999555
Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	0.005	0.005	-26	3.300	-30	-27	-22		
0.2	0.200	0.211	0.011	787	0.5 %	790	791	782		
0.4	0.400	0.396	-0.004	1519	0.2 %	1522	1521	1516		
1.0	1.000	0.973	-0.027	3799	0.1 %	3805	3796	3797		
3.0	3.000	3.027	0.027	11919	0.3 %	11937	11944	11877		
5.0	5.000	4.989	-0.011	19671	1.0 %	19930	19595	19490		

C04192013A

Method: Hg Norm2

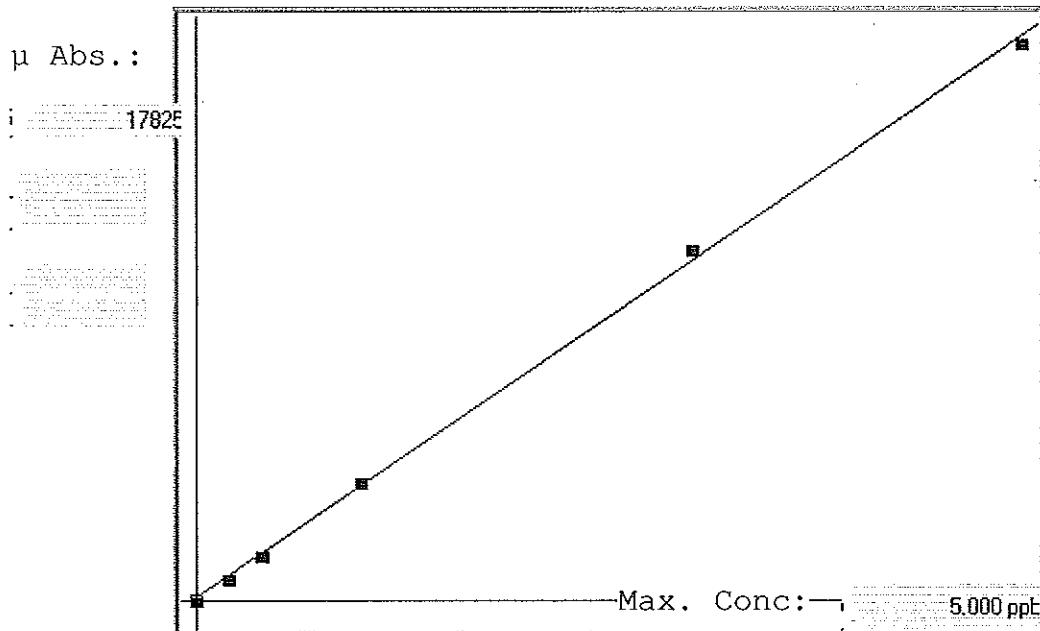
Operator: Admin

Date of Analysis: 19 Apr 2013 13:08:29

Sample ID	Extended ID	Mean	RSD	Date
blank		-26	-12.5310	19 Apr 2013 13:24:44
0.2		788	0.5113	19 Apr 2013 13:27:10
0.4		1520	0.1727	19 Apr 2013 13:29:38
1.0		3799	0.1060	19 Apr 2013 13:32:05
3.0		11919	0.2523	19 Apr 2013 13:34:32
5.0		19672	0.9538	19 Apr 2013 13:37:00
ICV		3.0719	0.6100	19 Apr 2013 13:39:26
ICB		0.0124	0.9657	19 Apr 2013 13:41:53
CRA		0.2127	0.4043	19 Apr 2013 13:44:20
CCV		2.5197	0.5072	19 Apr 2013 13:46:48
CCB		0.0130	9.0185	19 Apr 2013 13:49:15
mb 680-273622/1-a	(BCB)	0.0156	2.0286	19 Apr 2013 13:51:42
Ics 680-273622/2-a	(BCB)	2.6165	0.1513	19 Apr 2013 13:54:07
640-43207-g-1-d	(BCB)	0.5529	1.1028	19 Apr 2013 13:56:34
640-43207-g-1-e ms	(BCB)	1.4664	0.2193	19 Apr 2013 13:59:01
640-43207-g-1-f msd	(BCB)	1.3895	0.9766	19 Apr 2013 14:01:28
640-43207-g-2-b	(BCB)	0.5148	0.7457	19 Apr 2013 14:03:54
680-89437-a-1-a	(BCB)	0.1283	1.0557	19 Apr 2013 14:06:20
680-89421-a-11-a	(BCB)	5.9996	1.1858	19 Apr 2013 14:08:47
680-89421-a-11-b ms	(BCB)	6.9364	0.2122	19 Apr 2013 14:11:15
680-89421-a-11-c msd	(BCB)	7.4875	0.2342	19 Apr 2013 14:13:41
CCV		2.5666	1.1631	19 Apr 2013 14:16:09
CCB		0.0025	4.8033	19 Apr 2013 14:18:38
680-89436-a-1-a	(BCB)	0.0824	1.1312	19 Apr 2013 14:21:05
680-89400-b-10-a	(BCB)	0.7051	0.2722	19 Apr 2013 14:23:33
680-89400-b-11-a	(BCB)	0.5019	0.5030	19 Apr 2013 14:26:01
680-89400-b-12-a	(BCB)	0.5894	0.2113	19 Apr 2013 14:28:30
680-89400-b-13-a	(BCB)	0.5411	0.3247	19 Apr 2013 14:30:58
680-89400-b-14-a	(BCB)	0.5499	0.6108	19 Apr 2013 14:33:25
680-89400-b-15-a	(BCB)	0.8286	1.2719	19 Apr 2013 14:35:52
680-89447-c-8-a	(BCB)	1.9718	0.5289	19 Apr 2013 14:38:18
680-89447-c-9-a	(BCB)	0.3549	0.2751	19 Apr 2013 14:40:45
680-89447-c-10-a	(BCB)	0.4148	0.6978	19 Apr 2013 14:43:13
CCV		2.6022	0.2842	19 Apr 2013 14:45:41
CCB		0.0233	4.4304	19 Apr 2013 14:48:10
680-89447-c-11-a	(BCB)	0.2445	0.4167	19 Apr 2013 14:50:37
680-89447-c-12-a	(BCB)	0.3418	0.5141	19 Apr 2013 14:53:06
680-89421-a-11-a	^2(BCB)	3.1042	0.2012	19 Apr 2013 14:55:35
680-89421-a-11-b ms	^2(BCB)	3.5255	0.3479	19 Apr 2013 14:58:03
680-89421-a-11-c msd	^2(BCB)	3.8773	0.1028	19 Apr 2013 15:00:31
CCV		2.6844	0.0844	19 Apr 2013 15:02:59
CCB		0.0255	2.4743	19 Apr 2013 15:05:27

Hg Norm2

Linear ▾



A= 0.0000e+000

B= 2.7802e-004

C= -2.5458e-002

Rho= 0.9995476

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	-0.020	-0.020	20	0.943	21	21	19		
0.2	0.200	0.175	-0.025	721	1.3 %	712	718	734		
0.4	0.400	0.383	-0.017	1468	0.1 %	1467	1469	1468		
1.0	1.000	1.026	0.026	3783	0.4 %	3798	3789	3763		
3.0	3.000	3.105	0.105	11260	0.3 %	11218	11256	11308		
5.0	5.000	4.930	-0.070	17825	0.3 %	17755	17831	17889		

C04232013B

Method: Hg Norm2

Operator: Admin

Date of Analysis: 23 Apr 2013 14:46:05

Sample ID	Extended ID	Mean	RSD	Date
blank		20	4.6368	23 Apr 2013 14:48:22
0.2		721	1.2873	23 Apr 2013 14:50:47
0.4		1468	0.0556	23 Apr 2013 14:53:14
1.0		3783	0.3922	23 Apr 2013 14:55:41
3.0		11261	0.3276	23 Apr 2013 14:58:09
5.0		17825	0.3078	23 Apr 2013 15:00:36
ICV		3.1221	0.6165	23 Apr 2013 15:03:02
ICB		-0.0208	-1.2588	23 Apr 2013 15:05:28
CRA		0.1813	0.3151	23 Apr 2013 15:07:54
CCV		2.7687	0.4578	23 Apr 2013 15:10:22
CCB		-0.0241	-5.2515	23 Apr 2013 15:12:48
mb 680-274048/1-a	(BCB)	-0.0177	-3.3984	23 Apr 2013 15:15:14
lcs 680-274048/2-a	(BCB)	2.6365	0.2961	23 Apr 2013 15:17:41
640-43102-b-1-b	(BCB)	0.1958	1.0522	23 Apr 2013 15:20:07
680-89517-b-2-a	(BCB)	0.2811	0.7675	23 Apr 2013 15:22:33
680-89517-b-3-a	(BCB)	0.0656	0.7199	23 Apr 2013 15:25:00
680-89517-b-4-a	(BCB)	0.0021	47.8765	23 Apr 2013 15:27:26
680-89517-b-5-a	(BCB)	0.0746	1.3939	23 Apr 2013 15:29:52
680-89517-b-6-a	(BCB)	0.3891	0.8713	23 Apr 2013 15:32:18
680-89517-b-7-a	(BCB)	0.0264	2.1607	23 Apr 2013 15:34:45
680-89517-b-8-a	(BCB)	0.0315	1.9044	23 Apr 2013 15:37:12
CCV		2.9185	0.3058	23 Apr 2013 15:39:39
CCB		-0.0209	-3.8114	23 Apr 2013 15:42:06
680-89459-b-12-d	(BCB)	20.5593	0.2297	23 Apr 2013 15:44:32
680-89459-b-12-e ms	(BCB)	24.6890	0.6613	23 Apr 2013 15:47:00
680-89459-b-12-f msd	(BCB)	26.8917	0.4598	23 Apr 2013 15:49:29
680-89459-b-16-b	(BCB)	2.5418	0.2837	23 Apr 2013 15:51:55
680-89459-b-30-b	(BCB)	1.8977	0.0967	23 Apr 2013 15:54:22
680-89459-a-33-b	(BCB)	2.7186	0.1970	23 Apr 2013 15:56:48
680-89459-a-34-b	(BCB)	27.8212	0.8620	23 Apr 2013 15:59:16
680-89459-a-35-b	(BCB)	2.6471	0.2652	23 Apr 2013 16:01:43
CCV		2.9475	0.6722	23 Apr 2013 16:04:10
CCB		-0.0268	-4.2705	23 Apr 2013 16:06:37
CCV		2.5600	0.2095	23 Apr 2013 17:41:24
CCB		-0.0243	-0.9324	23 Apr 2013 17:43:52
680-89459-b-12-d	^10(BCB)	2.0924	0.4649	23 Apr 2013 17:46:19
680-89459-b-12-e ms	^10(BCB)	2.4441	0.5553	23 Apr 2013 17:48:45
680-89459-b-12-f msd	^10(BCB)	2.7654	0.1093	23 Apr 2013 17:51:11
680-89459-b-16-b	(BCB)	2.6586	0.4947	23 Apr 2013 17:53:37
680-89459-b-30-b	(BCB)	1.8983	0.6121	23 Apr 2013 17:56:03
680-89459-a-34-b	^10(BCB)	2.8667	0.9305	23 Apr 2013 17:58:30
680-89459-a-35-b	(BCB)	2.6564	0.4422	23 Apr 2013 18:00:56
CCV		2.6398	1.3470	23 Apr 2013 18:03:22
CCB		-0.0231	-2.9969	23 Apr 2013 18:05:49
CCV		2.8950	1.0912	24 Apr 2013 09:13:41
CCB		-0.0202	-3.3755	24 Apr 2013 09:16:08
mb 680-274148/1-a	(BCB)	-0.0169	-3.8703	24 Apr 2013 09:18:34
lcs 680-274148/2-a	(BCB)	2.9976	0.4810	24 Apr 2013 09:21:02
680-89569-c-11-a	(BCB)	0.0832	0.8340	24 Apr 2013 09:23:28
680-89569-c-12-a	(BCB)	0.2362	0.3845	24 Apr 2013 09:25:55
680-89569-c-13-a	(BCB)	0.4640	0.7130	24 Apr 2013 09:28:22
680-89569-c-14-a	(BCB)	0.0254	4.4650	24 Apr 2013 09:30:50
680-89569-c-15-a	(BCB)	0.0933	0.6440	24 Apr 2013 09:33:17
680-89569-c-16-a	(BCB)	0.0079	17.4671	24 Apr 2013 09:35:44
680-89569-c-17-a	(BCB)	0.1207	1.9577	24 Apr 2013 09:38:10
680-89569-c-18-a	(BCB)	0.1778	0.2212	24 Apr 2013 09:40:36

C04232013B

Method: Hg Norm2

Operator: Admin

Date of Analysis: 23 Apr 2013 14:46:05

Sample ID	Extended ID	Mean	RSD	Date
CCV		2.8346	0.4007	24 Apr 2013 09:43:03
CCB		-0.0180	-0.7264	24 Apr 2013 09:45:30
680-89569-c-19-a	(BCB)	0.2008	0.6228	24 Apr 2013 09:47:56
680-89569-c-20-a	(BCB)	0.1237	0.8479	24 Apr 2013 09:50:24
680-89421-b-1-d	(BCB)	6.0275	0.2015	24 Apr 2013 09:52:53
680-89421-b-1-e ms	(BCB)	7.4632	0.4892	24 Apr 2013 09:55:20
680-89421-b-1-f msd	(BCB)	9.5082	0.4961	24 Apr 2013 09:57:47
680-89513-b-18-b	(BCB)	3.4455	0.4257	24 Apr 2013 10:00:12
680-89513-b-19-b	(BCB)	3.2199	0.1587	24 Apr 2013 10:02:40
680-89513-b-23-d	(BCB)	2.6022	0.1864	24 Apr 2013 10:05:06
680-89513-b-23-e ms	(BCB)	4.5200	0.8713	24 Apr 2013 10:07:34
680-89513-b-23-f msd	(BCB)	4.0236	0.6752	24 Apr 2013 10:10:00
CCV		2.9096	0.7872	24 Apr 2013 10:12:28
CCB		-0.0181	-0.7226	24 Apr 2013 10:14:55
680-89513-a-26-b	(BCB)	3.4152	0.3467	24 Apr 2013 10:17:22
680-89513-a-27-b	(BCB)	5.3535	0.1491	24 Apr 2013 10:19:49
680-89513-a-28-b	(BCB)	3.0858	0.5521	24 Apr 2013 10:22:16
lb 680-274109/3-b	(BCB)	-0.0163	0.0000	24 Apr 2013 10:24:43
680-89552-b-1-b	(BCB)	0.1719	1.5566	24 Apr 2013 10:27:10
680-89552-b-1-c ms	(BCB)	1.1840	1.7460	24 Apr 2013 10:29:36
680-89552-b-1-d msd	(BCB)	1.1399	0.4150	24 Apr 2013 10:32:02
CCV		2.9716	1.1348	24 Apr 2013 10:34:29
CCB		-0.0240	-4.4746	24 Apr 2013 10:36:56
CCV		2.9562	0.5685	24 Apr 2013 11:21:27
CCB		-0.0193	-5.3786	24 Apr 2013 11:23:54
680-89421-b-1-d	^2(BCB)	2.9554	0.4397	24 Apr 2013 11:26:20
680-89421-b-1-e ms	^2(BCB)	3.8515	0.2077	24 Apr 2013 11:28:46
680-89421-b-1-f msd	^2(BCB)	4.7756	0.4206	24 Apr 2013 11:31:11
680-89513-a-27-b	^2(BCB)	2.6326	0.2137	24 Apr 2013 11:33:37
CCV		2.8974	0.5526	24 Apr 2013 11:36:03
CCB		-0.0212	-3.4430	24 Apr 2013 11:38:30

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Batch Number: 273658

Batch Start Date: 04/19/13 08:17

Batch Analyst: Boyuk, Brian

Batch Method: 200.7

Batch End Date: 04/19/13 11:43

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	MS Cal Stk 00019	MS_LCS1_WK 00001	MS_LCS2_wk 00143
MB 680-273658/1		200.7, 200.7 Rev 4.4			50 mL	50 mL			
LCS 680-273658/3		200.7, 200.7 Rev 4.4			50 mL	50 mL	1 mL		0.5 mL
680-89421-C-10	041513-RB-Shovel	200.7, 200.7 Rev 4.4	T	<2	50 mL	50 mL			
680-89470-B-1 MS		200.7, 200.7 Rev 4.4	T	<2	50 mL	50 mL		0.5 mL	0.5 mL
680-89470-B-1 MSD		200.7, 200.7 Rev 4.4	T	<2	50 mL	50 mL		0.5 mL	0.5 mL

Batch Notes

Lot # of hydrochloric acid	24317
Lot # of Nitric Acid	L10022
Hood ID or number	FH7
Hot Block ID number	5
Oven, Bath or Block Temperature 1	93 Degrees C
Pipette ID	ME 8
ID number of the thermometer	MEPREP 11
Digestion Tube/Cup Lot #	ML27KK03

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

200.7 Rev 4.4

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Batch Number: 273665

Batch Start Date: 04/19/13 08:35

Batch Analyst: Lawhon, Jon

Batch Method: 3050B

Batch End Date: 04/19/13 13:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS Cal Stk 00019	MS_LCS1_WK 00001	MS_LCS2_wk 00144
MB 680-273665/1		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL			
LCS 680-273665/3		3050B, 6010C		CALC NOT SET TO RUN	1.01 g	100 mL	2 mL		
680-89421-B-1	CV1001A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL			
680-89421-B-1 MS	CV1001A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL		1 mL	1 mL
680-89421-B-1 MSD	CV1001A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL		1 mL	1 mL
680-89421-A-11	CV1001A-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			

Batch Notes

Analyst	JL
Balance ID	25
Blank Soil Lot Number	2958846
Hydrogen peroxide lot number	52223236
Lot # of hydrochloric acid	3053716
Lot # of Nitric Acid	3053710
Hood ID or number	FH-8
Hot Block ID number	10
Nominal Amount Used	1.0 g
Pipette ID	ME4
Perform Calculation (0=No, 1=Yes)	0
Temperature	96 Degrees C
ID number of the thermometer	MEPREP15
Digestion Tube/Cup Lot #	J157274-263-100

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010C

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Batch Number: 273543 Batch Start Date: 04/18/13 10:42 Batch Analyst: Umbehr, Uli

Batch Method: 245.1 Batch End Date: 04/18/13 16:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	hg_icvint 00085	Hg_Int_Cal 00091	AnalysisComment
MB 680-273543/1		245.1, 245.1			50 mL	50 mL			
LCS 680-273543/2		245.1, 245.1			50 mL	50 mL		0.25 mL	
480-36394-H-1 MS		245.1, 245.1	T	<2	50 mL	50 mL		0.1 mL	
480-36394-H-1 MSD		245.1, 245.1	T	<2	50 mL	50 mL		0.1 mL	
CCV 680-273543/15		245.1, 245.1			50 mL	50 mL		0.25 mL	
CCB 680-273543/16		245.1, 245.1			50 mL	50 mL			
ICV 680-273543/18		245.1, 245.1			50 mL	50 mL	0.15 mL		
ICB 680-273543/19		245.1, 245.1			50 mL	50 mL			
CRA 680-273543/20		245.1, 245.1			50 mL	50 mL		0.02 mL	0.20 standard used.
680-89421-C-10	041513-RB-Shovel	245.1, 245.1	T		50 mL	50 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Batch Number: 273543

Batch Start Date: 04/18/13 10:42

Batch Analyst: Umbehr, Uli

Batch Method: 245.1

Batch End Date: 04/18/13 16:44

Batch Notes

Hydroxylamine Sulfate Lot Number	3046699
Hydroxylamine Hydrochloride Lot	3046705
Sulfuric Acid Lot Number	3056255
Lot # of hydrochloric acid	3053715
Lot # of Nitric Acid	3053246
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	04/13/13
Stannous Chloride Lot Number	3038842
SOP Number	ME028
Temperature	95 Degrees C
ID number of the thermometer	ME10
Digestion Tube/Cup Lot #	J157274-263-100
Visual ck - digestate F.V. consistency	Consistent

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Batch Number: 273622

Batch Start Date: 04/18/13 16:58

Batch Analyst: Umbehr, Uli

Batch Method: 7471B

Batch End Date: 04/18/13 18:38

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00085	Hg_Int_Cal 00091	AnalysisComment	
MB 680-273622/1		7471B, 7471B		0.53 g	50 mL				
LCS 680-273622/2		7471B, 7471B		0.51 g	50 mL		0.25 mL		
680-89421-A-11	CV1001A-CS (sieve)	7471B, 7471B	T	0.54 g	50 mL				
680-89421-A-11 MS	CV1001A-CS (sieve)	7471B, 7471B	T	0.50 g	50 mL		0.1 mL		
680-89421-A-11 MSD	CV1001A-CS (sieve)	7471B, 7471B	T	0.56 g	50 mL		0.1 mL		
CCV 680-273622/30		7471B, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-273622/31		7471B, 7471B		50 mL	50 mL				
ICV 680-273622/33		7471B, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-273622/34		7471B, 7471B		50 mL	50 mL				
CRA 680-273622/35		7471B, 7471B		50 mL	50 mL		0.02 mL	0.20 standard used.	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Batch Number: 273622

Batch Start Date: 04/18/13 16:58

Batch Analyst: Umbehr, Uli

Batch Method: 7471B

Batch End Date: 04/18/13 18:38

Batch Notes

Hydroxylamine Sulfate Lot Number	3046699
Hydroxylamine Hydrochloride Lot	3046705
Aqua Regia Lot Number	3065406
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	3056255
Lot # of hydrochloric acid	3053715
Lot # of Nitric Acid	3053246
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
Nominal Amount Used	0.5 - 0.6 g g
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	04/05/13
Stannous Chloride Lot Number	3038842
SOP Number	ME028
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J157274-263-100
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Batch Number: 274048 Batch Start Date: 04/23/13 09:43 Batch Analyst: Umbehr, Uli

Batch Method: 7471A Batch End Date: 04/23/13 12:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00085	Hg_Int_Cal 00091	AnalysisComment	
CCV 680-274048/26		7471A, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-274048/27		7471A, 7471B		50 mL	50 mL				
ICV 680-274048/29		7471A, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-274048/30		7471A, 7471B		50 mL	50 mL				
CRA 680-274048/31		7471A, 7471B		50 mL	50 mL		0.02 mL	0.02 standard used.	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7471B

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Batch Number: 274048

Batch Start Date: 04/23/13 09:43

Batch Analyst: Umbehr, Uli

Batch Method: 7471A

Batch End Date: 04/23/13 12:20

Batch Notes

Hydroxylamine Sulfate Lot Number	3046699
Hydroxylamine Hydrochloride Lot	3046705
Aqua Regia Lot Number	3065406
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	3056255
Lot # of hydrochloric acid	3053715
Lot # of Nitric Acid	3053246
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
Nominal Amount Used	0.5 - 0.6 g g
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	04/05/13
Stannous Chloride Lot Number	3038842
SOP Number	ME028
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J157274-263-100
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Batch Number: 274148 Batch Start Date: 04/23/13 17:13 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 04/23/13 18:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_Int_Cal 00091			
MB 680-274148/1		7471B, 7471B		0.51 g	50 mL				
LCS 680-274148/2		7471B, 7471B		0.50 g	50 mL	0.25 mL			
680-89421-B-1	CV1001A-CS	7471B, 7471B	T	0.53 g	50 mL				
680-89421-B-1 MS	CV1001A-CS	7471B, 7471B	T	0.53 g	50 mL	0.1 mL			
680-89421-B-1 MSD	CV1001A-CS	7471B, 7471B	T	0.54 g	50 mL	0.1 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7471B

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah

Job No.: 680-89421-2

SDG No.: 68089421-2

Batch Number: 274148

Batch Start Date: 04/23/13 17:13

Batch Analyst: Umbehr, Uli

Batch Method: 7471B

Batch End Date: 04/23/13 18:45

Batch Notes

Hydroxylamine Sulfate Lot Number	3046699
Hydroxylamine Hydrochloride Lot	3046705
Aqua Regia Lot Number	3065406
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	3056255
Lot # of hydrochloric acid	3053715
Lot # of Nitric Acid	3053246
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
Nominal Amount Used	0.5 - 0.6 g g
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	04/05/13
Stannous Chloride Lot Number	3038842
SOP Number	ME028
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J157274-263-100
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Serial Number 59209

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

PROJECT REFERENCE 35th Ave Removal		PROJECT NO. 2005148-1356	PROJECT LOCATION (STATE) AL	MATRIX TYPE	REQUIRED ANALYSIS						PAGE 1 OF 0		
					<i>11 PAPH</i>	<i>Recl & Minerals</i>						STANDARD REPORT DELIVERY	
												DATE DUE <i>0</i>	
												EXPEDITED REPORT DELIVERY (SURCHARGE)	
												DATE DUE <i>0</i>	
												NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	
												REMARKS	
SAMPLE	SAMPLE IDENTIFICATION			COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMI-SOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED				
4-15-13	1310	CV10φ1A-CS	-	X		X	X						
	1245	CV1082A-CS		X		X							
	1245	CV1082A-CS		X		X							
	1325	CV0745A-CS-SP		X		X							
	1345	CV0745B-CS-SP		X		X							
	1425	FM0060A-CS-SP		X		X						0000A per cent	
	1500	FM0060A-CS-SP		X		X						-VNH	
	1515	FM0106B-CS-SP		X		X						4-P-13	
	1520	FM0106C-CS-SP		X		X							
	1600	041513-RB-Shore		X		X							
	1310	CV10φ1A-CS (sieve)				X							
RELINQUISHED BY: (SIGNATURE) <i>B. Haflin</i>	DATE 4-16-13	TIME 1000	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME			
LABORATORY USE ONLY													
RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>Erica Edwards</i>	DATE 4/17/13	TIME 840	CUSTODY INTACT YES <i>00</i>	CUSTODY SEAL NO.	SAVANNAH LOG NO. 680- 89421	LABORATORY REMARKS <i>4.16 CW-07</i>							

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue
Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-89421-2

TestAmerica Sample Delivery Group: 68089421-2

Client Project/Site: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC
1220 Kennestone Circle
Suite 106
Marietta, Georgia 30060

Attn: Ms. Limari F Krebs



Authorized for release by:

4/26/2013 4:49:24 PM

Bernard Kirkland
Project Manager I
bernard.kirkland@testamericainc.com

Designee for

Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Job ID: 680-89421-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89421-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/17/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.1 C.

METALS (ICP)-Water

Sample 041513-RB-Shovel (680-89421-10) was analyzed for Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 04/19/2013 and analyzed on 04/24/2013.

Silver recovered outside the recovery criteria for the MS/MSD of sample 680-89470-1 in batch 680-274405. Silver also exceeded the rpd limit.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY-Water

Sample 041513-RB-Shovel (680-89421-10) was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 04/18/2013 and analyzed on 04/19/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples CV1001A-CS (680-89421-1) and CV1001A-CS (sieve) (680-89421-11) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared and analyzed on 04/19/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1001A-CS (680-89421-1) in batch 680-273842.

No other difficulties were encountered during the metals analyses.

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Job ID: 680-89421-2 (Continued)

Laboratory: TestAmerica Savannah (Continued)

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1001A-CS (680-89421-1) and CV1001A-CS (sieve) (680-89421-11) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/18/2013 and 04/23/2013 and analyzed on 04/19/2013 and 04/24/2013.

Samples CV1001A-CS (680-89421-1)[2X] and CV1001A-CS (sieve) (680-89421-11)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1001A-CS (sieve) (680-89421-11) in batch 680-273794.

Mercury recovered outside the recovery criteria for the MS/MSD of sample CV1001A-CS (680-89421-1) in batch 680-274238.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89421-1	CV1001A-CS	Solid	04/15/13 13:10	04/17/13 08:40
680-89421-10	041513-RB-Shovel	Water	04/15/13 16:00	04/17/13 08:40
680-89421-11	CV1001A-CS (sieve)	Solid	04/15/13 13:10	04/17/13 08:40

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Method Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	40CFR136A	TAL SAV
245.1	Mercury (CVAA)	EPA	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL TAM
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Definitions/Glossary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
 SDG: 68089421-2

Client Sample ID: CV1001A-CS

Date Collected: 04/15/13 13:10
 Date Received: 04/17/13 08:40

Lab Sample ID: 680-89421-1

Matrix: Solid
 Percent Solids: 77.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	51		2.5	0.72	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Barium	470		1.2	0.37	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Cadmium	3.6		0.61	0.12	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Chromium	59		1.2	0.61	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Lead	570		1.2	0.65	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Selenium	1.3 J		3.1	1.2	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1
Silver	0.35 J		1.2	0.12	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:09	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.72		0.049	0.020	mg/Kg	⊗	04/23/13 17:13	04/24/13 11:26	2

Client Sample ID: 041513-RB-Shovel

Date Collected: 04/15/13 16:00
 Date Received: 04/17/13 08:40

Lab Sample ID: 680-89421-10

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20	U	20	4.6	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Barium	10	U	10	2.3	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Cadmium	5.0 U		5.0	2.0	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Chromium	10 U		10	1.2	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Lead	10 U		10	4.0	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Selenium	20 U		20	6.4	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1
Silver	10 U		10	0.89	ug/L	⊗	04/19/13 08:17	04/24/13 16:34	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L	⊗	04/18/13 10:42	04/19/13 11:58	1

Client Sample ID: CV1001A-CS (sieve)

Date Collected: 04/15/13 13:10
 Date Received: 04/17/13 08:40

Lab Sample ID: 680-89421-11

Matrix: Solid
 Percent Solids: 83.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	54		2.3	0.68	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Barium	550		1.2	0.35	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Cadmium	4.3		0.58	0.12	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Chromium	62		1.2	0.58	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Lead	560		1.2	0.61	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Selenium	2.9 U		2.9	1.2	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1
Silver	0.45 J		1.2	0.11	mg/Kg	⊗	04/19/13 08:35	04/19/13 23:37	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.69		0.044	0.018	mg/Kg	⊗	04/18/13 16:58	04/19/13 14:55	2

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 680-273658/1-A

Matrix: Water

Analysis Batch: 274405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 273658

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	20	U	20	4.6	ug/L		04/19/13 08:17	04/24/13 16:22	1
Barium	10	U	10	2.3	ug/L		04/19/13 08:17	04/24/13 16:22	1
Cadmium	5.0	U	5.0	2.0	ug/L		04/19/13 08:17	04/24/13 16:22	1
Chromium	10	U	10	1.2	ug/L		04/19/13 08:17	04/24/13 16:22	1
Lead	10	U	10	4.0	ug/L		04/19/13 08:17	04/24/13 16:22	1
Selenium	20	U	20	6.4	ug/L		04/19/13 08:17	04/24/13 16:22	1
Silver	10	U	10	0.89	ug/L		04/19/13 08:17	04/24/13 16:22	1

Lab Sample ID: LCS 680-273658/3-A

Matrix: Water

Analysis Batch: 274405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 273658

Analyte	Spike		Result	LCS	LCS	Unit	D	%Rec	Limits
	Added								
Arsenic	200		204			ug/L		102	85 - 115
Barium	200		194			ug/L		97	85 - 115
Cadmium	200		202			ug/L		101	85 - 115
Chromium	200		201			ug/L		101	85 - 115
Lead	200		192			ug/L		96	85 - 115
Selenium	200		187			ug/L		93	85 - 115
Silver	200		197			ug/L		99	85 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 680-273543/1-A

Matrix: Water

Analysis Batch: 273737

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 273543

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.20	U	0.20	0.091	ug/L		04/18/13 10:42	04/19/13 11:41	1

Lab Sample ID: LCS 680-273543/2-A

Matrix: Water

Analysis Batch: 273737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 273543

Analyte	Spike		Result	LCS	LCS	Unit	D	%Rec	Limits
	Added								
Mercury	2.50		2.45			ug/L		98	85 - 115

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-273665/1-A

Matrix: Solid

Analysis Batch: 273842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 273665

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	2.0	U	2.0	0.58	mg/Kg		04/19/13 08:35	04/19/13 22:41	1
Barium	0.98	U	0.98	0.29	mg/Kg		04/19/13 08:35	04/19/13 22:41	1
Cadmium	0.49	U	0.49	0.098	mg/Kg		04/19/13 08:35	04/19/13 22:41	1
Chromium	0.98	U	0.98	0.49	mg/Kg		04/19/13 08:35	04/19/13 22:41	1

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 680-273665/1-A

Matrix: Solid

Analysis Batch: 273842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 273665

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.98	U	0.98	0.52	mg/Kg		04/19/13 08:35	04/19/13 22:41	1
Selenium	2.5	U	2.5	0.98	mg/Kg		04/19/13 08:35	04/19/13 22:41	1
Silver	0.98	U	0.98	0.094	mg/Kg		04/19/13 08:35	04/19/13 22:41	1

Lab Sample ID: LCS 680-273665/3-A

Matrix: Solid

Analysis Batch: 273842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 273665

Spike LCS LCS

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic		19.8	20.0		mg/Kg		101	75 - 125
Barium		19.8	19.6		mg/Kg		99	75 - 125
Cadmium		19.8	20.1		mg/Kg		101	75 - 125
Chromium		19.8	20.2		mg/Kg		102	75 - 125
Lead		19.8	18.9		mg/Kg		95	75 - 125
Selenium		19.8	18.1		mg/Kg		92	75 - 125
Silver		19.8	19.6		mg/Kg		99	75 - 125

Lab Sample ID: 680-89421-1 MS

Matrix: Solid

Analysis Batch: 273842

Client Sample ID: CV1001A-CS

Prep Type: Total/NA

Prep Batch: 273665

Sample Sample Spike MS MS

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	51		12.4	63.9	4	mg/Kg	⊗	102	75 - 125
Barium	470		12.4	500	4	mg/Kg	⊗	219	75 - 125
Cadmium	3.6		6.18	10.5		mg/Kg	⊗	111	75 - 125
Chromium	59		12.4	70.0	4	mg/Kg	⊗	89	75 - 125
Lead	570		6.18	472	4	mg/Kg	⊗	-1508	75 - 125
Selenium	1.3	J	12.4	12.1		mg/Kg	⊗	87	75 - 125
Silver	0.35	J	6.18	1.29	F	mg/Kg	⊗	15	75 - 125

Lab Sample ID: 680-89421-1 MSD

Matrix: Solid

Analysis Batch: 273842

Client Sample ID: CV1001A-CS

Prep Type: Total/NA

Prep Batch: 273665

Sample Sample Spike MSD MSD

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	RPD	Limit
Arsenic	51		12.4	60.1	4	mg/Kg	⊗	72	6	20
Barium	470		12.4	471	4	mg/Kg	⊗	-17	6	20
Cadmium	3.6		6.18	9.93		mg/Kg	⊗	102	5	20
Chromium	59		12.4	65.8	4	mg/Kg	⊗	55	6	20
Lead	570		6.18	494	4	mg/Kg	⊗	-1153	5	20
Selenium	1.3	J	12.4	12.8		mg/Kg	⊗	93	6	20
Silver	0.35	J	6.18	1.52	F	mg/Kg	⊗	19	17	20

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
 SDG: 68089421-2

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 680-273622/1-A

Matrix: Solid

Analysis Batch: 273794

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 273622

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.019	U	0.019	0.0077	mg/Kg		04/18/13 16:58	04/19/13 13:51	1

Lab Sample ID: LCS 680-273622/2-A

Matrix: Solid

Analysis Batch: 273794

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 273622

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits	Dil Fac
	Added	Result	Qualifier					
Mercury	0.245	0.257		mg/Kg		105	80 - 120	

Lab Sample ID: 680-89421-11 MS

Matrix: Solid

Analysis Batch: 273794

Client Sample ID: CV1001A-CS (sieve)

Prep Type: Total/NA

Prep Batch: 273622

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	Dil Fac
	Result	Qualifier	Added	Result	Qualifier					
Mercury	0.69		0.120	0.844	4	mg/Kg	⊗	130	80 - 120	

Lab Sample ID: 680-89421-11 MSD

Matrix: Solid

Analysis Batch: 273794

Client Sample ID: CV1001A-CS (sieve)

Prep Type: Total/NA

Prep Batch: 273622

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Mercury	0.69		0.107	0.829	4	mg/Kg	⊗	132	80 - 120	2	20

Lab Sample ID: MB 680-274148/1-A

Matrix: Solid

Analysis Batch: 274238

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 274148

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.020	U	0.020	0.0080	mg/Kg		04/23/13 17:13	04/24/13 09:18	1

Lab Sample ID: LCS 680-274148/2-A

Matrix: Solid

Analysis Batch: 274238

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 274148

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits	Dil Fac
	Added	Result	Qualifier					
Mercury	0.250	0.300		mg/Kg	⊗	120	80 - 120	

Lab Sample ID: 680-89421-1 MS

Matrix: Solid

Analysis Batch: 274238

Client Sample ID: CV1001A-CS

Prep Type: Total/NA

Prep Batch: 274148

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	Dil Fac
	Result	Qualifier	Added	Result	Qualifier					
Mercury	0.72		0.123	0.944	4	mg/Kg	⊗	179	80 - 120	

Lab Sample ID: 680-89421-1 MSD

Matrix: Solid

Analysis Batch: 274238

Client Sample ID: CV1001A-CS

Prep Type: Total/NA

Prep Batch: 274148

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Mercury	0.72		0.120	1.15	4	mg/Kg	⊗	353	80 - 120	20	20

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

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QC Association Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Metals

Prep Batch: 273543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-10	041513-RB-Shovel	Total/NA	Water	245.1	
LCS 680-273543/2-A	Lab Control Sample	Total/NA	Water	245.1	
MB 680-273543/1-A	Method Blank	Total/NA	Water	245.1	

Prep Batch: 273622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-11	CV1001A-CS (sieve)	Total/NA	Solid	7471B	
680-89421-11 MS	CV1001A-CS (sieve)	Total/NA	Solid	7471B	
680-89421-11 MSD	CV1001A-CS (sieve)	Total/NA	Solid	7471B	
LCS 680-273622/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-273622/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 273658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-10	041513-RB-Shovel	Total/NA	Water	200.7	
LCS 680-273658/3-A	Lab Control Sample	Total/NA	Water	200.7	
MB 680-273658/1-A	Method Blank	Total/NA	Water	200.7	

Prep Batch: 273665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-1	CV1001A-CS	Total/NA	Solid	3050B	
680-89421-1 MS	CV1001A-CS	Total/NA	Solid	3050B	
680-89421-1 MSD	CV1001A-CS	Total/NA	Solid	3050B	
680-89421-11	CV1001A-CS (sieve)	Total/NA	Solid	3050B	
LCS 680-273665/3-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-273665/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 273737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-10	041513-RB-Shovel	Total/NA	Water	245.1	273543
LCS 680-273543/2-A	Lab Control Sample	Total/NA	Water	245.1	273543
MB 680-273543/1-A	Method Blank	Total/NA	Water	245.1	273543

Analysis Batch: 273794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-11	CV1001A-CS (sieve)	Total/NA	Solid	7471B	273622
680-89421-11 MS	CV1001A-CS (sieve)	Total/NA	Solid	7471B	273622
680-89421-11 MSD	CV1001A-CS (sieve)	Total/NA	Solid	7471B	273622
LCS 680-273622/2-A	Lab Control Sample	Total/NA	Solid	7471B	273622
MB 680-273622/1-A	Method Blank	Total/NA	Solid	7471B	273622

Analysis Batch: 273842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-1	CV1001A-CS	Total/NA	Solid	6010C	273665
680-89421-1 MS	CV1001A-CS	Total/NA	Solid	6010C	273665
680-89421-1 MSD	CV1001A-CS	Total/NA	Solid	6010C	273665
680-89421-11	CV1001A-CS (sieve)	Total/NA	Solid	6010C	273665
LCS 680-273665/3-A	Lab Control Sample	Total/NA	Solid	6010C	273665
MB 680-273665/1-A	Method Blank	Total/NA	Solid	6010C	273665

TestAmerica Savannah

QC Association Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Metals (Continued)

Prep Batch: 274148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-1	CV1001A-CS	Total/NA	Solid	7471B	
680-89421-1 MS	CV1001A-CS	Total/NA	Solid	7471B	
680-89421-1 MSD	CV1001A-CS	Total/NA	Solid	7471B	
LCS 680-274148/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-274148/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 274238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-1	CV1001A-CS	Total/NA	Solid	7471B	274148
680-89421-1 MS	CV1001A-CS	Total/NA	Solid	7471B	274148
680-89421-1 MSD	CV1001A-CS	Total/NA	Solid	7471B	274148
LCS 680-274148/2-A	Lab Control Sample	Total/NA	Solid	7471B	274148
MB 680-274148/1-A	Method Blank	Total/NA	Solid	7471B	274148

Analysis Batch: 274405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-10	041513-RB-Shovel	Total/NA	Water	200.7 Rev 4.4	273658
LCS 680-273658/3-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	273658
MB 680-273658/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	273658

General Chemistry

Analysis Batch: 136584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-1	CV1001A-CS	Total/NA	Solid	Moisture	
680-89421-1 MS	CV1001A-CS	Total/NA	Solid	Moisture	
680-89421-1 MSD	CV1001A-CS	Total/NA	Solid	Moisture	

Analysis Batch: 273577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89421-11	CV1001A-CS (sieve)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
 SDG: 68089421-2

Client Sample ID: CV1001A-CS

Lab Sample ID: 680-89421-1

Date Collected: 04/15/13 13:10

Matrix: Solid

Date Received: 04/17/13 08:40

Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			273665	04/19/13 08:35	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273842	04/19/13 23:09	BCB	TAL SAV
Total/NA	Prep	7471B			274148	04/23/13 17:13	UU	TAL SAV
Total/NA	Analysis	7471B		2	274238	04/24/13 11:26	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136584	04/18/13 11:34	AG	TAL TAM

Client Sample ID: 041513-RB-Shovel

Lab Sample ID: 680-89421-10

Date Collected: 04/15/13 16:00

Matrix: Water

Date Received: 04/17/13 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	245.1			273543	04/18/13 10:42	UU	TAL SAV
Total/NA	Analysis	245.1		1	273737	04/19/13 11:58	BCB	TAL SAV
Total/NA	Prep	200.7			273658	04/19/13 08:17	BB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	274405	04/24/13 16:34	BCB	TAL SAV

Client Sample ID: CV1001A-CS (sieve)

Lab Sample ID: 680-89421-11

Date Collected: 04/15/13 13:10

Matrix: Solid

Date Received: 04/17/13 08:40

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			273622	04/18/13 16:58	UU	TAL SAV
Total/NA	Analysis	7471B		2	273794	04/19/13 14:55	BCB	TAL SAV
Total/NA	Prep	3050B			273665	04/19/13 08:35	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273842	04/19/13 23:37	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	273577	04/18/13 13:59	FS	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location:
Test America, Tampa

Phone:
Fax:

PROJECT REFERENCE 35th Ave Removal	PROJECT NO. 2005148-1356	PROJECT LOCATION (STATE) AL	MATRIX TYPE	REQUIRED ANALYSIS	PAGE # 1	OF 1
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(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

SAMPLE DATE:	TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED				REMARKS
			COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS/WATER	SOLID OR SEMI-SOLID	NONAQUEOUS/LIQUID (OIL, SOLVENT, ...)	
4-15-13	1310	CV10Φ1A-CS	X	X	X		
	1245	CV1082A-CS	X	X			
	1245	CV1082A-CSD	X	X			
	1325	CV0745A-CS-SP	X	X			
	1345	CV0745B-CS-SP	X	X			
	1425	Fm0060A-CS-SP	X	X			0060A per client
	1500	Fm0060A-CS-SP	X	X			-VNH
	1515	Fm0106B-CS-SP	X	X			4-P-13
	1520	Fm0106C-CS-SP	X	X			
	1600	041513-RB-Shore/	X	X			
	1310	CV10Φ1A-CS (sieve)			X		

RELINQUISHED BY: (SIGNATURE) <i>B. H. Fin</i>	DATE 4-16-13	TIME 1000	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>Chulca Edwards</i>	DATE 4/17/13	TIME 840	CUSTODY INTACT YES NO	CUSTODY SEAL NO. 00	SAVANNAH LOG NO. 480-89421	LABORATORY REMARKS 4.1 e CV-67
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Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89421-2

SDG Number: 68089421-2

Login Number: 89421

List Number: 1

Creator: Daughtry, Beth

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	False	Sample -6 Id on COC does not match container label (date/time match)
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89421-2

SDG Number: 68089421-2

Login Number: 89421

List Source: TestAmerica Tampa

List Number: 1

List Creation: 04/17/13 04:52 PM

Creator: McNulty, Carol

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89421-2

SDG Number: 68089421-2

Login Number: 89421

List Source: TestAmerica Tampa

List Number: 2

List Creation: 04/23/13 02:44 PM

Creator: McNulty, Carol

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
 SDG: 68089421-2

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	05-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12 *
Kentucky (UST)	State Program	4	18	03-31-13 *
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-13
Florida	NELAP	4	E84282	06-30-13
Georgia	State Program	4	905	06-30-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Savannah

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89421-2
SDG: 68089421-2

Laboratory: TestAmerica Tampa (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
USDA	Federal		P330-11-00177	04-20-14

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TestAmerica Savannah